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ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability 9.5e-69
24644056_c2_395	1716	938	350	.053		
Protein name					Name	Acc#
				sp:PDXI	3_ECOLI	P05459
Description						
ERYTHRONATE-4-PHO	SPHATE DEHYDI	ROGENASE				
			NT	AA	G	Drobability
ORF Name	NTID	AAID	Length	Length	Score	Probability
24645461_f1_19	1717	6939	207	624	889	5.5e-89
Protein name	4			Locu	s Name	Acc#
tetracycline resi regulatory protein		nt mobil:	ization	pir:A3	6927	A36927
Description						
			NT	AA		D - 1 - 1 - 1 - 1 - 1 - 1 - 1
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
ORF Name 24647250t184		<u>AAID</u> 6940	Length		Score	Probability 9.9e-35
			Length	Length		-
24647250 <u></u> £1 <u></u> 84	1718		Length	Length	377	9.9e-35
24647250 <u></u> £1 <u></u> 84	1718		Length	Length 792 Locu	377	9.9e-35 <u>Acc#</u>
Protein name acetylglutamate k	1718		Length 263	Length 792 Locu pir:F6	377 s Name 9111	9.9e-35 Acc# F69111
Protein name acetylglutamate k	1718		Length	Length 792 Locu	377	9.9e-35 <u>Acc#</u>
Protein name acetylglutamate k Description	1718 inase NTID	6940	Length 263 NT	Length 792 Locu pir:F6	377 s Name 9111	9.9e-35 Acc# F69111
Protein name acetylglutamate k Description ORF Name	1718 inase NTID	AAID	Length 263 NT Length	Length 792 Locu pir:F6 AA Length 1518	377 s Name 9111 Score	9.9e-35 Acc# F69111 Probability
Protein name acetylglutamate k Description ORF Name 24647942_c1_284	1718 inase NTID	AAID 6941	Length 263 NT Length	Length 792 Locu pir:F6 AA Length 1518 Locu	377 s Name 9111 Score	9.9e-35 Acc# F69111 Probability 6.1e-22
Protein name acetylglutamate k Description ORF Name 24647942_c1_284 Protein name		AAID 6941	Length 263 NT Length 505	Length 792 Locu pir:F6 AA Length 1518 Locu gp:ATA	377 s Name 9111 Score 198 as Name	9.9e-35 Acc# F69111 Probability 6.1e-22 Acc# AC005396

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ORF Name	NTID AAID	NT AA Score	Probability
24650067_±3_257	1720 6942	173 522	
Protein name		Locus Name	Acc#
Description			
NO-HIT			
		NIII 22	
ORF Name	NTID AAID	NT AA Score	Probability
24695282 <u></u> E3 <u></u> 176	1721 6943	136 411	*
Protein name		Locus Name	Acc#
Description			
NO-HIT			
ORF Name	NTID AAID	NT AA Length Length Score	Probability
24782036 <u></u> £3 <u></u> 198	1722 6944	599 1800 161	2.2e-15
Protein name		Locus Name	Acc#
		sp:REP_BUCAP	051889
Description		9	*
ATP-DEPENDENT DNA	HELICASE REP,		
		NIII DA	
ORF Name	NTID AAID	NT AA Length Length Score	Probability
25398427 <u>f1</u> 68	1723 6945	489 1470 416	7.3e-39
Protein name		Locus Name	Acc#
unknown		gp:AF144879	AF144879
Description			

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ORF Name	NTID AAID	Length Length Score	
25578201_£1_70	1724 6946	343 1032 537	1.1e-51
Protein name		Locus Name	Acc#
		sp:LPSA_BACNO	P39907
Description			
LPSA PROTEIN			
		NT AA Grave	Probability
ORF Name	NTID AAID	Length Length Score	Probability
259837_f2_111	1725 6947	1977 3380	0.0
Protein name		Locus Name	Acc#
tetracycline re	esistance protein tetQ:t	tetA(Q)2 pir:140188	
Description			
		77	
ORF Name	NTID AAID	NT AA Score	Probability
			Probability
ORF Name		Length Length Score 703 2112 309 Locus Name	1.6e-24 <u>Acc#</u>
ORF Name 2617942c2450	1726 6948	Length Length Score 703 2112 309	1.6e-24
ORF Name 2617.942_c2_450 Protein name mobilization properties of the protein of the prote		Length Length 309 Locus Name gp:AF118243	1.6e-24 <u>Acc#</u> AF118243
ORF Name 2617.942_c2_450 Protein name mobilization properties of the protein of the prote		Length Length Score 703 2112 309 Locus Name	1.6e-24 <u>Acc#</u> AF118243
ORF Name 2617.942_c2_450 Protein name mobilization properties of the protein of the prote		Length Length 703 2112 309 Locus Name gp:AF118243 tein C (mobC) gene, comp	Acc# AF118243 Letecds.
ORF Name 2617.942_c2_450 Protein name mobilization properties of the protein of the prote		Length Length 309 Locus Name gp:AF118243	1.6e-24 <u>Acc#</u> AF118243
ORF Name 261.7.942	rotein C agilis mobilization pro	Length Length 703 2112 309 Locus Name gp:AF118243 tein C (mobC) gene, comp NT AA Score Length Length 249 750	Acc# AF118243 letecds. Probability
ORF Name 2617.942_c2_450 Protein name mobilization processing processin	rotein C agilis mobilization pro	Length Length 703 2112 309 Locus Name gp:AF118243 tein C (mobC) gene, comp NT AA Length Length Score	Acc# AF118243 Letecds.
ORF Name 2617.942c2450 Protein name mobilization procession Description Bacteroides from the control of the con	rotein C agilis mobilization pro	Length Length 703 2112 309 Locus Name gp:AF118243 tein C (mobC) gene, comp NT AA Score Length Length 249 750	Acc# AF118243 letecds. Probability

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ORF Name 26571900 f3 173	<u>NTID</u>	<u>AAID</u>	NT Length	AA Length	Score	Probability	
Protein name] [, , 20]	0330			Name	Acc#	
Description						-	
NO-HIT				*]
ORF Name	NTID	AAID	<u>NT</u> Length	AA Length	Score	Probability	
26584437 <u></u> ±1 <u>.</u> 81	1729	6951	599	800	216	3.4e-25	
Protein name				Locus	Name	Acc#	
				sp:HS90	_PODAN	043109	
Description							
INCOMPATIBILITY MOD	D-E)					e]
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ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability	*
ORF Name 26600927_f2_132		<u>AAID</u>	Length		Score	Probability	*
			Length	Length	Score Name	Probability Acc#	*
26600927 <u>F2</u> 132			Length	Length	ř		
26600927f2132 Protein name			Length	Length	ř		
Protein name Description			Length	Length	. Name	Acc#]
Protein name Description			Length	Length 30 Locus	ř		, , ,
Protein name Description NO-HIT	1730 NTID	6952	Length 209 NT Length	Length Locus	. Name	Acc#	
Protein name Description NO-HIT ORF Name	1730 NTID	6952 AAID	Length 209 NT Length	Length Locus AA Length 839	Score	Acc# Probability	
26600927_f2_132 Protein name Description NO-HIT ORF Name 26759678_f3_249	NTID	<u>AAID</u>	Length 209 6 NT Length 612	Length Locus AA Length 839	Score 872 Name	Acc# Probability 4.6e-91	

ORF Name 26818752_c2_422	NTID AAI		AA ngth Score	Probability
Protein name			Locus Name	Acc#
Description				
NO-HIT				
ORF Name	NTID AAI		AA ngth Score	Probability
2923125_f3_254	1733 6955	119 360		
Protein name			Locus Name	Acc#
Description				
NO-HIT				
		NT Z	AA ~	
ORF Name	IIAA <u>DITN</u>		ngth Score	Probability
29344216 <u></u> c1317	1734 6956	474 1425	80	0.032
Protein name			Locus Name	Acc#
M protein precursor		pi	r:S60858	S60858
Description				
		NT A	AA _	
ORF Name	NTID AAII		ngth Score	Probability
2947141f294	1735 6957	117 354		
Protein name			Locus Name	Acc#
Description				
NO-HIT		- 1	1	
ORF Name	NTID AAII	D Length Ler	AA ngth Score	Probability
29573763 <u>f</u> 3 <u>197</u>	1736 6958	409 1230	252	2.4e-19
Protein name			Locus Name	Acc#
hypothetical protei	n Rv0597c	þi	r:H70908	Н70908
Description				

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			NT .	AA	Score	Probability	
ORF Name	NTID	AAID	Length	Length			
29869676_f1_44	1737	6959	296 8	91	149	2.7e-09	
Protein name				Locus	Name	Acc#	
				sp:PRIM	_LISMO	P47762	
Description							
DNA PRIMASE,							
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
31736291 f2_93	1738	6960	177	534			
			L1	Locus	Name	Acc#	
Protein name							
Description							
NO-HIT							
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			NT	AA	G	Drobobility	
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	•
ORF Name 31814442c3526	*	<u>AAID</u>	Length		Score	Probability	
31814442 <u></u> c3526	*		Length	Length	Score S Name	Probability Acc#	
31814442c3526 Protein name	*		Length	Length			Ŷ
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31814442c3526 Protein name	*		Length	Length			, ,
Protein name Description	*		Length	Length	s Name	Acc#	
Protein name Description	*		Length	Length 801 Locus]
31814442_c3_526Protein name Description NO-HIT	1739 NTID	6961	Length 266 NT Length	Length B01 Locus	s Name	Acc#] .
Protein name Description NO-HIT ORF Name	1739 NTID	6961 AAID	Length 266 NT Length	Length Locus AA Length	s Name	Acc#	
Protein name Description NO-HIT ORF Name 31885192_f3_195	1739 NTID	6961 AAID	Length 266 NT Length	Length Locus AA Length	Score	Acc# Probability	
31814442c3526 Protein name Description NO-HIT ORF Name 31885192f3195	1739 NTID	6961 AAID	Length 266 NT Length	Length Locus AA Length	Score	Acc# Probability	

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ORF Name	NTID AAID	<u>NT AA</u> <u>Length Length</u> Score	Probability
31892650_c1_351	1741 6963	807 2424	
Protein name		Locus Name	Acc#
Description			
NO-HIT			
ORF Name	NTID AAID	NT AA Length Length Score	Probability
33245255 <u>_c2_378</u>	1742 6964	74 225	•
Protein name		Locus Name	Acc#
Description			* **
NO-HIT			
		NT AA	
ORF Name	NTID AAID	NT AA Score Length Length	Probability
33399058 <u></u> £2 <u></u> 118	1743 6965	653 1962 172	1.5e-10
Protein name		Locus Name	Acc#
		sp:VOLD_BPP2	P13520
Description			* •
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		NT AA _	
ORF Name	NTID AAID	Length Length Score	Probability
33706251 <u></u> £2 <u>.</u> 167	1744 6966	180 543 185	2.2e-14
Protein name		Locus Name	Acc#
putative RNA polym	merase sigma factor	(ECF gp:SCE46	AL133252
Description			
Streptomyces coeli	color cosmid E46.		1

ORF Name 34037503_f3_170	NTID	<u>AAID</u>	NT Length	AA Length	Score	Probability
Protein name			L	Locus	Name	Acc#
Description						
NO-HIT						
			2707	2.7		
ORF Name	NTID	AAID	<u>NT</u> Length	AA Length	Score	Probability
3.406.3.441 <u></u> £2 <u></u> 138	1746	6968	198 5	97		
Protein name				Locus	Name	Acc#
Description						
NO-HIT						
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ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
3.41.7.8.4.3.8 <u></u> ±3 <u></u> 2.4.4	1747	6969	272 8	19		
Protein name	-			Locus	Name	Acc#
Description						
NO-HIT						H F
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ORF Name	NTID	AAID	<u>NT</u> Length	AA Length	Score	Probability
ORF Name 34183402_f1_28		<u>AAID</u>	Length		Score	1
		-	Length	Length 51		
34183402 <u>f1</u> 28		-	Length	Length 51		- 70
34183402_f1_28 Protein name		-	Length	Length 51		- 70
Protein name Description		-	Length	Length 51 Locus	Name	Acc#
Protein name Description		-	Length	Length 51		- 70
Protein name Description	1748 NTID	6970	Length [116] NT Length	Length Locus	Name	Acc#
Protein name Description NO-HIT ORF Name	1748 NTID	AAID	Length [116] NT Length	Length Locus AA Length	Name Score	Acc# Probability
Protein name Description NO-HIT ORF Name 34199183_t3_212	NTID [1749	<u>AAID</u>	Length [116] NT Length	Length Locus AA Length 884	Name Score 1219 Name	Acc# Probability 5.9e-124

		NT AA Score Probability	
ORF Name	NTID AAII	Length Length	
34268878_f1_27	1750 6972	160 483 81 0.0034	
Protein name		Locus Name Acc#	
glucosidase II be	ca-subunit	gp:AF066061 AF066061	1
Description			
Mus musculus gluc products, partial		bunit gene, alternativelyspliced	
ORF Name	NTID AAII	NT AA Score Probability Length Length	
35171937_c1_350	1751 6973	439 1320	
Protein name		Locus Name Acc#	
Description			
NO-HIT			
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ORF Name	NTID AAI	Score Probability	
		Score Probability	
ORF Name		Length Length Score Propability	
ORF Name 35352031c2_420		Length Length Score Probability 179 540	
ORF Name 35352031c2_420 Protein name		Length Length Score Probability 179 540	
ORF Name 3.53.520.31c2_420 Protein name Description		Length Length Locus Name Acc#	
ORF Name 3.53.520.31c2_420 Protein name Description		Length Length Locus Name Acc# NT AA Score Probability	
ORF Name 35352031c2420 Protein name Description NO-HIT	NTID AAI	Length Length Locus Name Acc# NT AA Score Probability	
ORF Name 35352031c2420 Protein name Description NO-HIT ORF Name	NTID AAI	Length Length Locus Name Acc# NT AA Length Length Length Score Probability	
ORF Name 35352031c2420 Protein name Description NO-HIT ORF Name 35725786c1300	NTID AAI	Length Length Locus Name Acc# NT AA Length Length Length Score Probability 152 459	

ORF Name 3933375_c3_520 Protein name hypothetical protein description	NTID AAID 1754 6976	NT AA Score Length Length 82 Locus Name pir:B72242	Probability 0.017 Acc# B72242
ORF Name 400.7635c3521 Protein name Description	NTID AAID	NT AA Score Length Length 93 Locus Name	Probability Acc#
ORF Name 414687t155 Protein name Description PROBABLE TRANSCRI	NTID AAID 1756 6978 PTIONAL REGULATORY	NT AA Score Length Length 479 Locus Name Sp:YLCA_ECOLI PROTEIN YLCA	Probability [1.5e-45 Acc# P77380
ORF Name 4192500_f2_150 Protein name conserved hypothe Description	NTID AAID 1757 6979 stical protein aq 12	NT AA Length Length 510 Locus Name pir:G70405	Probability 7.9e-49 Acc# G70405
ORF Name 422552f176 Protein name shikimate kinase Description	NTID AAID	NT AA Length Length Score 190 573 259 Locus Name pir:A70487	Probability 3.1e-22 Acc# A70487

ORF Name NTID AAID Length Length Probability	
4298525_c2_397]
Protein name Locus Name Acc#	
synthase, pir:G69842 G69842	
Description	
NT AA	
ORF Name NTID AAID Length Length Score Probability	
43.0.7.1.3.6±32.3.1	
Protein name Locus Name Acc#	
Description	
NO-HIT	
NT AA ORF Name NTID AAID Length Length Probability	
4707750_±1_72 1761 6983 311 936 288 2.9e-37	7
Protein name Locus Name Acc#	
hypothetical protein PH0424 pir:A71153 A71153	
Description	
ORF Name NTID AAID Length Length Score Probability	
47.50.02 <u></u> £3 <u></u> 18.9	
Protein name Locus Name Acc#	
Description	
NO-HIT	
ORF Name NTID AAID Length Length Score Probability	
48.76.5.92	
Protein name Locus Name Acc#	
Description	
NO-HIT	

ORF Name	NTID AAID	NT AA Length Length	core Probability
4884628 f3 232	[1764] [6986	456 1371 33	4 4.2e-30
Protein name		Locus Na	ame Acc#
	ce sensor kinase pcoS		
sensor			
Description			
		NT AA So	core Probability
ORF Name	NTID AAID	Length Length —	
5272917£3233	1765 6987	887 2664 23	
Protein name		Locus Na	ame Acc#
		sp:ATMA_E	OLI P39168
Description			*
MG(2+) TRANSPOR	T ATPASE, P-TYPE 1,		
ORF Name	NTID AAID	NT AA Length Length	ore Probability
ORF Name	NTID AAID	Length Length	ore Probability
6.429200 <u></u> ±2 <u></u> 147		Length Length Sc	-
6.429200t2147 Protein name		Length Length	-
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6.429200t2147 Protein name		Length Length Sc	-
E429200t2147 Protein name Description		Length Length 62 189 Locus Na	-
Protein name Description NO-HIT	NTID AAID	Length Length 62 189 Locus Na NT AA Sc	ame Acc#
Protein name Description NO-HIT ORF Name		Length Length 62 189 Locus Na	eore Probability [0.031]
Protein name Description NO-HIT ORF Name		Length Length 62 189 Locus Na	eore Probability [0.031] ame Acc#
Protein name Description NO-HIT ORF Name		Length Length 62 189 Locus Na NT AA Schedule Length Length 195 73 Locus Na	eore Probability [0.031] ame Acc#

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ORF Name	NTID A	AID Length	50010	Probability
6532501_c2_461	1768 699	0 438	1317	
Protein name			Locus Name	Acc#
Description				
NO-HIT				
		N	7.7	
ORF Name	NTID A	NT AID Length	Length Score	Probability
6814017 <u></u> £1 <u></u> 3.0	<u>1769</u> 699	1 126	381 70	0.033
Protein name			Locus Name	Acc#
41kd antigen			gp:A13461	A13461
Description				,
P.falciparum gene	e for 41kd antig	en, clone 41-	7.	
		NUT	7.7	
ORF Name	NTID A	NT AID Length	AA Length Score	Probability
ORF Name 6828312c2_396	*	AID Length	- Score	Probability 5.7e-23
	*	AID Length	Length Score	
6828312 <u></u> c2 <u></u> 396		AID Length	Length Score	5.7e-23
6828312c2396 Protein name		AID Length	Length Score 249 266 Locus Name	5.7e-23 Acc#
Protein name acyl carrier prot	im [1770 699 699 699 699 699	AID Length	Length Score 249 266 Locus Name	5.7e-23 Acc#
Protein name acyl carrier prot Description	im [1770 699 699 699 699 699	AID Length 2 82	Length Score 249 266 Locus Name gp:ABACPF	5.7e-23 Acc# X82399
Protein name acyl carrier prot Description	ein (ACP)	AID Length	Length Score 249 266 Locus Name	5.7e-23 Acc#
Protein name acyl carrier prot Description A.brasilense acpl	m 1770 699 ein (ACP) gene. NTID A	AID Length 2 82 NT AID Length	Length Score 249 266 Locus Name gp:ABACPF	5.7e-23 Acc# X82399
Protein name acyl carrier prot Description A.brasilense acpf ORF Name	m 1770 699 ein (ACP) gene. NTID A	AID Length 2 82 NT AID Length	Length Score Length Score Locus Name GP:ABACPF AA Length Score	5.7e-23 Acc# X82399 Probability
Protein name acyl carrier prot Description A.brasilense acpl ORF Name	m 1770 699 ein (ACP) gene. NTID A	AID Length 2 82 NT AID Length	Length Score 249 266 Locus Name gp:ABACPF AA Length Score 1056 710	5.7e-23 Acc# X82399 Probability 5.1e-70
Protein name acyl carrier prot Description A.brasilense acpl ORF Name	m 1770 699 ein (ACP) gene. NTID A	AID Length 2 82 NT AID Length	Length 249 266 Locus Name gp:ABACPF AA Length Score ACOTE ADDITIONAL SCORE 1056 Tocus Name	5.7e-23 Acc# X82399 Probability 5.1e-70 Acc#

			NT	AA			
ORF Name	NTID	AAID	Length	Length	Score	Probability	
783410_f3_172	1772	6994	391	1176			
Protein name				Locus	Name	Acc#	
Description							
NO-HIT	Andrew Control				-		7
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ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
85827 <u></u> ±2 <u></u> .155	1773	6995	207	524	371	4.3e-34	
Protein name				Locus	Name	Acc#	
phosphoribosylgly	cinamide for	myItransf	erase	gp:ATPU	JR3	X74767	
Description							
	ana mRNA for	phospho	ibosvla	Ivcinamid	eformvlt	ransferase	٦
Description Arabidopsis thali encoded by PUR3 ge		phosphoi	ribosylg	Lycinamid	leformylt	ransferase]
Arabidopsis thali		phosphoi	ribosylg	lycinamid	leformyIt	transferase	
Arabidopsis thali		Phosphoi	NT	Lycinamid AA Length	Score	Probability	
Arabidopsis thali encoded by PUR3 ge	ne.		NT Length	AA			
Arabidopsis thali encoded by PUR3 ge	ne.	AAID	NT Length	AA Length			
Arabidopsis thali encoded by PUR3 ge ORF Name 978.7906f2121 Protein name	ne.	AAID	NT Length	AA Length	Score	Probability	
Arabidopsis thali encoded by PUR3 ge ORF Name 978.7906f2121 Protein name Description	ne.	AAID	NT Length	AA Length	Score	Probability	
Arabidopsis thali encoded by PUR3 ge ORF Name 978.7906f2121 Protein name	ne.	AAID	NT Length	AA Length	Score	Probability]
Arabidopsis thali encoded by PUR3 ge ORF Name 978.7906f2121 Protein name Description	ne.	AAID	NT Length 80	AA Length 243 Locus	Score	Probability]
Arabidopsis thali encoded by PUR3 ge ORF Name 978.7906f2121 Protein name Description	ne.	AAID	NT Length	AA Length	Score	Probability]
Arabidopsis thali encoded by PUR3 ge ORF Name 978.7906f2121 Protein name Description NO-HIT	NTID [1774	<u>AAID</u> 6996	NT Length 80 2	AA Length Locus AA	Score Name	Probability Acc#]
Arabidopsis thali encoded by PUR3 ge ORF Name 9787906f2121 Protein name Description NO-HIT ORF Name	NTID [1774	<u>AAID</u> 6996 <u>AAID</u>	NT Length 80 2	AA Length Locus AA Locus AA Length	Score Name Score	Probability Acc# Probability]
Arabidopsis thali encoded by PUR3 ge ORF Name 978.7906f2121 Protein name Description NO-HIT ORF Name 9923130c3577	NTID 1774 NTID 1775	<u>AAID</u> 6996 AAID 6997	NT Length 80 2	AA Length Locus AA Locus AA Length	Score Score Score Name	Probability Acc# Probability 0.00086]
Arabidopsis thali encoded by PUR3 ge ORF Name 9787906_f2_121 Protein name Description NO-HIT ORF Name 9923130_c3_577	NTID 1774 NTID 1775	<u>AAID</u> 6996 AAID 6997	NT Length 80 2	AA Length Locus AA Length Locus Locus Locus	Score Score Score Name	Probability Acc# Probability 0.00086 Acc#	

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ORF Name	NTID	AAID <u>I</u>		<u>AA</u> Length	Score	Probability	
14176629_c2_6	1776 69	98 6	8 20	07	113	9.3e-07	
Protein name				Locus	Name	Acc#	
hypothetical prote	in Rv3069			pir:F70	650	F70650	
Description							
			NT	AA			
ORF Name	NTID	AAID I		<u>Length</u>	Score	Probability	
4978886_f3_2	1777 69	99 2	217 65	54	628	2.5e-61	
Protein name				Locus	Name	Acc#	
hypothetical prote	ein		*	pir:JQ1	.020	JQ1020	
Description							
	-				- <u> </u>		_
ORF Name	NULLD	AAID I	<u>NT</u> Length	<u>AA</u> Length	Score	<u>Probability</u>	
	NTID	THILD I	<u> </u>	*			
126.9.7.2.0.1				797	340	2.0e-27	
				797	340 Name	2.0e-27 Acc#	
12697201 <u></u> .c2 <u></u> .20	1778 70	500	599 1	797	Name		
12697201c220 Protein name	1778 70	500	599 1	197 Locus	Name	Acc#	
Protein name 115K outer membrar	1778 70	500	599 1	197 Locus	Name	Acc#	
Protein name 115K outer membrar protein	1778 70	500	599 1	Locus pir:JC6	s Name	Acc# JC6027	
Protein name 115K outer membrar protein	1778 70	cursor:S	usC 1	Locus	Name	Acc#	
Protein name 115K outer membrar protein Description	ne protein pre	cursor:S	usC NT Length	Locus pir:JC6	s Name	Acc# JC6027	
Protein name 115K outer membrar protein Description ORF Name	ne protein pre	acursor:S	usC NT Length	Locus Dir:JCC AA Length	s Name	Acc# JC6027	
Protein name 115K outer membrar protein Description ORF Name	ne protein pre	acursor:S	usC NT Length	Locus Dir:JCC AA Length	Score	Acc# JC6027 Probability	

ORF Name 24218762_c1_18 Protein name ribosomal protein L Description	NTID AAID 1780 7002	NT AA Score Length Length 64 Locus Name gp:U17009	Probability 0.015 Acc# U17009
Phytophthora infest	ans mitochondrion,	complete genome.	
ORF Name	NTID AAID	NT AA Length Length Score	Probability
3163438_c2_19	7003	1221 148	1.4e-07
Protein name transmembrane senso	r	Locus Name gp:AF051691	Acc# AF051691
Description			ž
_	(fiuR), and hydro	A (psfA), ECF sigma fact xamate-typeferrisideroph	
ORF Name	NTID AAID	NT AA Length Length Score	Probability
480633.7 <u></u> c3 <u></u> 21	1782 7004	93 282	
Protein name		Locus Name	Acc#
Description			
NO-HIT			
	*	NT AA Score	Probability
ORF Name	NTID AAID	Length Length	
64453.06±28	1783 7005	212 639 186	1.7e-14
Protein name		Locus Name	Acc#
RNA polymerase sigma	a factor Sigz-like	protein gp:AF137263	AF137263
Description			
		somal protein S16-likepr factorSigZ-like proteir	,

ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
13065655_f3_2	1784	7006	67	201			
Protein name				Locus	s Name	Acc#	
Description							
NO-HIT					_		
			NT	AA			
ORF Name	NTID	<u> </u>	Length	<u>AA</u> Length	Score	Probability	-
1050026 <u></u> £2 <u></u> 4	1785	7007	129	390	69	0.044	
Protein name				Locus	Name	Acc#	
transcription regul	ator, PbsX	family		pir:H75	5270	H75270	
Description				1	=		
			NT	AA	<u> </u>	Decelerated 1 days	
ORF Name	NTID	AAID	Length	Length	Score	Probability	
14652161 <u></u> t317	1786	7008	77	234	191	2.6e-14	
Protein name				Locus	s Name	Acc#	
hypothetical protei	n			pir:JQ1	L020	JQ1020	
Description							
			NIII	73.73			-
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
16832885 <u></u> f2 <u></u> 11	1787	7009	115	348	428	3.9e-40	
Protein name				Locus	s Name	Acc#	
hypothetical protei	n		1	pir:JQ1	1020	JQ1020	
Description						3 .	
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
22860128_t3_16	1788	7010	83	252	64	0.031	
Protein name				Locus	Name	Acc#	
				sp:SPRO	_XENLA	P36378	
Description							
(OSTEONECTIN) (ON)	(BASEMENT	MEMBRANE	PROTEIN	BM-40)			

ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
24615625_c3_24	1789	7011		178	2793	9.5e-291
Protein name				Locus	Name	Acc#
alpha-glucosidase				gp:BTU6	6897	U66897
Description						
Bacteroides thetai (susB) genes, compl		neopullu.	lanase (s	susA) and	alpha-gl	ucosidase
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
34382842_f1_3	1790	7012	113 3	342	170	5.1e-12
Protein name				Locus	Name	Acc#
hypothetical prote	ein			pir:JQ1	.020	JQ1020
<u>Description</u>						
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
ORF Name 10644652_c3_306		<u>AAID</u> 7013	Length		<u>Score</u> 1058	Probability 6.8e-107
			Length	Length	*	
10644652 <u></u> a3 <u></u> 306			Length	Length	1058 Name	6.8e-107
Protein name Description		7013	Length	Length Locus sp:YFBS	1058 Name	6.8e-107
10644652G3306 Protein name		7013	Length	Length Locus sp:YFBS	1058 Name	6.8e-107
Protein name Description HYPOTHETICAL 65.9	I791 KD PROTEIN	7013	Length 628 1 ACKA INTE	Length Locus sp:YFBS ERGENIC R	1058 Name	6.8e-107
Protein name Description	KD PROTEIN NTID	7013 IN LRHA AAID	Length 628 I	Length Locus Sp:YFBS ERGENIC R AA Length	1058 Name ECOLI	6.8e-107 <u>Acc#</u>
Protein name Description HYPOTHETICAL 65.9 ORF Name 10.70.3.11c33.24	KD PROTEIN NTID	7013	Length 628 I	Length Locus Sp:YFBS ERGENIC R AA Length Locus	1058 Name SECOLI EGION Score	Acc# Probability
Protein name Description HYPOTHETICAL 65.9 ORF Name	KD PROTEIN NTID	7013 IN LRHA AAID	Length 628 I	Length Locus Sp:YFBS ERGENIC R AA Length Locus	1058 Name ECOLI	6.8e-107 <u>Acc#</u>
Protein name Description HYPOTHETICAL 65.9 ORF Name 10.70.3.11c33.24	KD PROTEIN NTID	7013 IN LRHA AAID	Length 628 I	Length Locus Sp:YFBS ERGENIC R AA Length Locus	1058 Name SECOLI EGION Score	Acc# Probability

		NT AA	
ORF Name	NTID AAID	Length Length Score	Probability
10727040_c1_204	1793 7015	345 1038	
Protein name		Locus Name	Acc#
Description			
NO-HIT			
ORF Name	NTID AAID	NT <u>AA</u> Length Length Score	Probability
10968955 <u></u> £3 <u></u> 167	1794 7016	237 714 546	1.2e-52
Protein name		Locus Name	Acc#
		sp:PDXH_SYNY3	P74211
Description	•		
PYRIDOXAMINE 5'-PR	HOSPHATE OXIDASE, (PNP/PMP OXIDASE)	
ORF Name	NTID AAID	NT AA Score	Probability
ORF Name 11190877c3317		— Score	Probability
		Length Length Score	Probability <u>Acc#</u>
11190877 <u></u> 3317		Length Length Score	
11190877c3317 Protein name		Length Length Score	
Protein name Description		Length Length Score Locus Name	
Protein name Description		Length Length Score Locus Name	
Protein name Description NO-HIT	1795 7017 NTID AAID	Length Length Score Locus Name NT AA Score	Acc#
Protein name Description NO-HIT ORF Name	1795 7017 NTID AAID	Length Length Score Locus Name NT AA Length Length Score	Acc# Probability
Protein name Description NO-HIT ORF Name 12140.75c2259	NTID AAID 1796 7018	Length Length Score Locus Name NT AA Length Length Score 215 648 364	Acc# Probability 2.4e-33
Protein name Description NO-HIT ORF Name 1214075_c2_259 Protein name	NTID AAID 1796 7018	Length Length AA Length Length Score Locus Name NT Length Length Length Length Locus Name Locus Name	Acc# Probability 2.4e-33 Acc#
Protein name Description NO-HIT ORF Name 12140.75_c2_259 Protein name O-acetyl transfera Description	NTID AAID 1796 7018	Length Length AA Length Length Score Locus Name NT Length Length Length Length Locus Name Locus Name	Acc# Probability 2.4e-33 Acc# U77308

			NT	AA		
ORF Name	NTID	AAID	<u>Length</u>	<u>Length</u>	Score	Probability
12985802_f2_99	1797	7019	245	738	84	0.0053
Protein name				Locus	Name	Acc#
				gp:D846	70	D84670
Description						
Pyrococcus furios subunit 2, complet		DNA polyr	merase Il	subunit	. 1, DNA	oolymerase II
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
13851552_f3_168	 	7020		1092		
Protein name				Locus	Name	Acc#
Description						
NO-HIT						-
NO-HIT ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
		<u>AAID</u>	Length		Score	Probability
ORF Name			Length	Length	Score S Name	Probability Acc#
ORF Name 13.93.75.56c3325			Length	Length		
ORF Name 1393.7556c3325 Protein name			Length	Length		
ORF Name 1393.7556c3325 Protein name Description NO-HIT	1799	7021	Length 182 NT	Length Locus		
ORF Name 13.93.75.56c3325 Protein name Description NO-HIT ORF Name		7021 AAID	Length 182 NT Length	Length Locus AA Length	s Name	Acc#
ORF Name 13.93.75.56c33.25 Protein name Description NO-HIT ORF Name 14.46.3.512f157		7021	Length 182 NT Length	Length Locus AA Length	Score	Acc# Probability
ORF Name 13.93.75.56c3325 Protein name Description NO-HIT ORF Name		7021 AAID	Length 182 NT Length	Length Locus AA Length	s Name	Acc#
ORF Name 13.93.75.56c33.25 Protein name Description NO-HIT ORF Name 14.46.3.512f157		7021 AAID	Length 182 NT Length	Length Locus AA Length	Score	Acc# Probability

ORF Name	NTID AA	NT ID Length	AA Length Score	Probability
14570327 f3_149	1801 7023	157 47	4 263	1.2e-22
Protein name			Locus Name	Acc#
orfX			gp:AB014440	AB014440
Description				
Staphylococcus cds.	aureus genes for o	rf1, orfX, orf	2, orf3, parti	al andcomplete
ORF Name	NTID AA	NT Length	AA Length Score	Probability
16112682_f3_192	1802 7024	961 28	886	
Protein name			Locus Name	Acc#
Description				
NO-HIT				
		NT	AA Score	Probability
ORF Name	NTID AF	AID Length	Length	
				1 1 3 - 3 4
16223432 <u></u> c2 <u></u> 284	1803 7025	198 59		1.3e-14
Protein name			Locus Name	1.3e-14 <u>Acc#</u>
Protein name RNA polymerase	ECF-type sigma fac			
Protein name			Locus Name	Acc#
Protein name RNA polymerase ylaC	ECF-type sigma fac		Locus Name	Acc#
Protein name RNA polymerase ylaC Description	ECF-type sigma fac	etor homolog NT AID Length	Locus Name pir:A69872 AA Score	Acc# A69872
Protein name RNA polymerase ylaC Description ORF Name	ECF-type sigma fac	etor homolog NT AID Length	Locus Name pir:A69872 AA Length Score	Acc# A69872
Protein name RNA polymerase ylaC Description ORF Name 1957187	ECF-type sigma fac	etor homolog NT AID Length	Locus Name pir:A69872 AA Length Score	Acc# A69872 Probability

ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
19726375_c1_207	1805	7027	161 4	86	233	1.8e-19
Protein name				Locus	Name	Acc#
unknown				gp:AF04	18749	AF048749
Description						
Bacteroides fragi sequence.	lis capsula	r polysac	charide k	piosynthe	esis oper	con, complete
			NT	AA	Saoro	Probability
ORF Name	NTID	AAID	Length	Length	Score	FIODADITICY
20505007_c3_305	1806	7028	60 1	183		
Protein name				Locus	s Name	Acc#
Description						
NO-HIT						0 -
				A COMMAND		
		*	$\overline{ ext{NT}}$	<u>AA</u>	Score	Probability
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
ORF Name 218.7550_f3143	* *	<u>AAID</u>	Length		Score	Probability
	* *		Length	Length	Score s Name	Probability Acc#
2187550 <u></u> £3 <u></u> 143	* *		Length	Length	-	
2187550f3143 Protein name	* *		Length	Length	-	
Protein name Description	* *		Length	Length 339 Locus	s Name	Acc#
Protein name Description	* *		Length	Length	-	
Protein name Description NO-HIT		7029	Length I12 NT Length	Length Locus	s Name	Acc#
Protein name Description NO-HIT ORF Name		7029 AAID	Length 112 NT Length	Length Locus AA Length	Score	Acc# Probability
Protein name Description NO-HIT ORF Name 2246.9452_c3_298		7029 AAID	Length 112 NT Length	Length Locus AA Length	Score 149 S Name	Acc# Probability 1.4e-10
2187550f3143 Protein name Description NO-HIT ORF Name 22469452c3298 Protein name		7029 AAID	Length 112 NT Length	Length Locus AA Length Locus Locus	Score 149 S Name	Acc# Probability 1.4e-10 Acc#

			NT	AA			
ORF Name	NTID	AAID	Length	Length	Score	Probability	
23625302_c1_213	1809	7031	434	.305	1720	4.8e-177	
Protein name				Locus	Name	Acc#	
putative UDP-galac	tose-6 dehy	drogenase	2	gp:AF04	18749	AF048749	
Description							
Bacteroides fragi- sequence.	lis capsula:	polysace	charide b	oiosynthe	esis ope	ron,complete	
			NT	AA			
ORF Name	NTID	AAID	Length	Length	Score	Probability	
23631637_f3_163	1810	7032	342 1	.029	902	2.3e-90	
Protein name				Locus	3 Name	Acc#	
D-2-hydroxy-acid o	lehydrogenas	se,		pir:S7	6782	S76782	
Description							
Deberry							
<u>Besol Iperon</u>					×		
ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability	
		<u>AAID</u> 7033	Length		Score	Probability	· · ·
ORF Name			Length	Length	Score S Name	Probability Acc#	
ORF Name 23944510_t1_48 Protein name			Length	Length	£		-
ORF Name 23944510_t1_48 Protein name Description			Length	Length	£		
ORF Name 23944510_t1_48 Protein name			Length	Length	£		
ORF Name 23944510_t1_48 Protein name Description			Length	Length	s Name	Acc#	
ORF Name 23944510_t1_48 Protein name Description			Length 104	Length 315 Locus	£		
ORF Name 23944510_t1_48 Protein name Description NO-HIT	[1811 NTID	7033	Length 104 NT Length	Length B15 Locus	s Name	Acc#	
ORF Name 23944510_t1_48 Protein name Description NO-HIT ORF Name	[1811 NTID	7033 AAID	Length 104 NT Length	Length Locus AA Length	Score	Acc# Probability	
ORF Name 23.944510_t1_48. Protein name Description NO-HIT ORF Name 24.022212_c1_236.	NTID [1812	AAID 7034	Length 104 NT Length	Length Locus AA Length	Score 588 Name	Acc# Probability 4.3e-57	

	· ·	NT	AA	
ORF Name	NTID AAID		Length Score	Probability
24415952_c1_231	1813 7035	220 66	712	3.1e-70
Protein name			Locus Name	Acc#
ykvJ protein			pir:A69868	A69868
Description				
*		NTT	7. 7.	
ORF Name	NTID AAID	<u>NT</u> Length I	AA Length Score	Probability
24416062 <u></u> c2 <u></u> 258	1814 7036	386 11	61 117	0.00067
Protein name			Locus Name	Acc#
MURF1		0	gp:AF079967	AF079967
Description				
ribosomal RNA, par cryptogene, NADH d subunit 7 (ND7) cr	ehydrogenase subun:	it 9 (ND9) c	ryptogene,NADH	dehydrogenase
complete sequence;				
1		and MURF1 (M		
complete sequence;	and MURF1 (MURF1) a	and MURF1 (M	URF1) genes, co AA Length	omplete cds.
Complete sequence; ORF Name	and MURF1 (MURF1) a	and MURF1 (M <u>NT</u> Length I	URF1) genes, co AA Length	Probability
ORF Name 24640887_c3_301 Protein name	and MURF1 (MURF1) a	and MURF1 (M NT Length I	URF1) genes, co AA Length Score 56 615	Probability 5.9e-60
ORF Name 24640887_c3_301 Protein name	and MURF1 (MURF1) a NTID AAID 1815 7037	and MURF1 (M NT Length I	URF1) genes, co AA Length 56 615 Locus Name	Probability 5.9e-60 Acc#
ORF Name 24640887_c3_301 Protein name N-acetylneuraminic Description	and MURF1 (MURF1) a NTID AAID 1815 7037	and MURF1 (M NT Length I 351 10	URF1) genes, co AA Score Score 615 Locus Name gp:LPN7311	Probability 5.9e-60 Acc# AJ007311
ORF Name 24640887_c3_301 Protein name N-acetylneuraminic Description Legionella pneumo	NTID AAID 1815 7037 c acid condensing 6	and MURF1 (M NT Length I 351 10	URF1) genes, co AA Score Score 615 Locus Name gp:LPN7311	Probability 5.9e-60 Acc# AJ007311
ORF Name 24640887c3301 Protein name N-acetylneuraminic Description Legionella pneumorcluster.	NTID AAID and MURF1 (MURF1) a NTID AAID acid condensing a phila serogroup 1	and MURF1 (M NT Length I 351 10	AA Score Locus Name gp:LPN7311 haride biosynth AA Score	Probability 5.9e-60 Acc# AJ007311 nesisgene
ORF Name 24640887c3301 Protein name N-acetylneuraminic Description Legionella pneumonoluster. ORF Name	NTID AAID and MURF1 (MURF1) a NTID AAID acid condensing a phila serogroup 1	enzyme Length I The state of	AA Score Locus Name gp:LPN7311 haride biosynth AA Score	Probability 5.9e-60 Acc# AJ007311 nesisgene Probability
ORF Name 24640887c3301 Protein name N-acetylneuraminic Description Legionella pneumor cluster. ORF Name 24641925c1214	NTID AAID C acid condensing e phila serogroup 1 NTID AAID NTID AAID NTID AAID NTID AAID NTID AAID Saccharide	end MURF1 (M NT Length I 351 10 enzyme Lipopolysacci NT Length I 388 116	AA Score Locus Name gp:LPN7311 haride biosynth AA Score	Probability 5.9e-60 Acc# AJ007311 nesisgene Probability 3.3e-05

ORF Name	NTID AAID	NT AA Length Length Score	Probability
24642125_c3_304	1817 7039	1329	
Protein name		Locus Name	Acc#
Description			
NO-HIT			-
ORF Name	NTID AAID	NT AA Length Length Score	Probability
24642813 <u></u> c1 <u></u> 217	1818 7040	200 603 189	8.2e-15
Protein name		Locus Name	Acc#
thiol:disulfide in	terchange protein	pir:F75549	F75549
Description			
		NT AA	D-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1
ORF Name	NTID AAID	Length Length Score	Probability
24647126 <u>f119</u>	1819 7041	431 1296 78	0.045
Protein name	×	Locus Name	Acc#
		sp:RS10_METTH	027133
Description			
30S RIBOSOMAL PROT	EIN S10P		
ORF Name	NTID AAID	NT AA Length Length Score	Probability
24648510 <u></u> c1 <u></u> 211	1820 7042	343 1032 424	1.0e-39
Protein name		Locus Name	Acc#
unknown	_	gp:AF144879	AF144879
Description			
Leptospira interro	gans rfb locus, com	plete sequence.	

		$\frac{\text{NT}}{}$ $\frac{\text{AA}}{}$ Sco	re Probability
ORF Name	NTID AAID	<u>Length</u> <u>Length</u>	11000011109
24806575_c3_300	1821 7043	281 846 159	2.6e-09
Protein name		Locus Nam	e Acc#
galactosyl transfer	rase	gp:AF030373	AF030373
Description			
complete cds; capsu	lar polysaccharide	4 alpha, 1-6-glucosid biosyntheticlocus, co)gene, complete cds.	ase(dexB) gene, mplete sequence;
		NT AA Sco	re Probability
ORF Name	NTID AAID	Length Length	·
25431551_c1_212	1822 7044	238 717 289	2.1e-25
Protein name		Locus Nam	e <u>Acc#</u>
acetyltransferase,	vatB	pir:T10903	T10903
Description			
ORF Name	NTID AAID	NT AA Sco Length Length	re Probability
25815961 <u></u> c2 <u></u> 248	. 1823 7045	647 1944	
Protein name		Locus Nam	e Acc#
Description			
NO-HIT	3		
	*	NT AA Sco	re Probability
ORF Name	NTID AAID	<u>Length</u> <u>Length</u>	ic ilobability
25.90.0252 <u></u> c2 <u></u> 282	. 1824 7046	152 459 591	2.1e-57
Protein name		Locus Nam	e Acc#
conserved hypothet	ical protein ykvM	pir:D69868	D69868

ORF Name NTID AAID Length Length 26847025_f2_134 1825 7047 167 504 843 4.16 Protein name Locus Name 4.16 4.16 4.16 4.16	e-84 Acc# 03870
RECOMBINASE FLP PROTEIN (PROTEIN ABLE)	
NT AA 7 Delet	
ORF Name NTID AAID Length Length	e-84
Protein name Locus Name	Acc#
Description P	03870
RECOMBINASE FLP PROTEIN (PROTEIN ABLE)	
NT AA Grave Drobe	1
ORF Name NTID AAID Length Length	bility
29484452 <u>c1216</u>	e-93
Protein name Locus Name	Acc#
Cps7G gp:AF164515 A	AF164515
Description	
Streptococcus suis putative glycosyltransferase Cps7E (cps7E) gene,pcds; putative glycosyltransferase Cps7F (cps7F) and Cps7G(cps7G) gene complete cds; and putative glycosyltransferase Cps7H(cps7H) gene, parcds.	es,
NT AA Score Proba	bility
ORF Name NTID AAID Length Length	
29506500 <u></u> c2 <u></u> 257	e-21
Protein name Locus Name	Acc#
Cps2J gp:AF026471 F	AF026471
Description	
Streptococcus pneumoniae DexB (dexB) gene, partial cds; putativetrar gene, complete cds; type 2 capsular polysaccharidebiosynthesis operor complete sequence; and AliA (aliA) gene, partial cds.	isposase 1,

			NT	AA		
ORF Name	NTID	AAID	<u>Length</u>	Length	Score	Probability
30509375_c1_198	1829	7051	246	741	117	0.00037
Protein name				Locus	s Name	Acc#
STARP antigen				gp:AF20	09925	AF209925
Description						
Plasmodium falci	parum STARP a.	ntigen (STARP) ge	ene, comp	olete cds	3.
			NT	AA		
ORF Name	NTID	AAID	<u>Length</u>	<u>Length</u>	Score	Probability
31287_c2_255	1830	7052	236	711	347	1.5e-31
Protein name				Locus	s Name	Acc#
CMP-N-acetlyneur	aminic acid s	ynthetas	9	gb:rbn.	7311	AJ007311
Description						
Legionella pneum	ophila serogr	oup 1 li	popolysa	ccharide	biosyntl	iesisgene
cluster.					7	
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
31593 <u></u> c2 <u></u> 243	1831	7053	62	189		
Protein name				Locu	s Name	Acc#
Description						
NO-HIT			*	-		
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
3.4019812c2283	1832	7054	272	819		
Protein name				Locu	s Name	Acc#
Description						
NO-HIT						

ORF Name	NTID AAID	<u>NT</u> Length	AA Score	Probability
34180437_c2_280	1833 7055	172 5	19 209	6.3e-17
Protein name			Locus Name	Acc#
putative ECF sigma	a factor RpoE1		gp:AF049107	AF049107
Description				
Myxococcus xanthu dehydrogenase (ald regulator homolog	_	igma factor	RpoE1(rpoE1),	and response
ORF Name	NTID AAID	<u>NT</u> Length	AA Length Score	Probability
34562591_c3_296	1834 7056	352 1	059	
Protein name			Locus Name	Acc#
Description				
NO-HIT				
ORF Name	NTID AAID	<u>NT</u> Length	AA Length Score	Probability
ORF Name 34572201_c1_235		Length	Score	Probability
		Length	Length Score	Probability Acc#
34572201c1235		Length	Length Score	
34572201_c1_235 Protein name		Length	Length Score	
Protein name Description		Length 283 8	Length Score	
Protein name Description	1835 7057	Length 283 8 NT Length	Length Score Locus Name AA Score	Acc#
Protein name Description NO-HIT ORF Name	1835 7057 NTID AAID	Length 283 8 NT Length	Length Score Locus Name AA Length Score	Acc# Probability
Protein name Description NO-HIT ORF Name 35166265_c2_254 Protein name putative acetyl to	1835 7057 NTID AAID 1836 7058	Length 283 8 NT Length	Length Score Locus Name AA Length Score 45 291	Acc# Probability 1.3e-25
Protein name Description NO-HIT ORF Name 35166265_c2_254 Protein name putative acetyl to	1835 7057 NTID AAID 1836 7058	Length 283 8 NT Length 214 6	Length 52 Locus Name AA Score Length 291 Locus Name gp:LPN7311	Acc# Probability 1.3e-25 Acc# AJ007311

ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
36135887_c1_219	1837	7059	68 2	07	73	0.016
Protein name				Locus	Name	Acc#
water-stress induc	ible protein	n		gp:AF01	0584	AF010584
Description						
Oryza sativa water	-stress ind	ucible pi	rotein (W	/SI) mRNA	, comple	etecds.
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
39067_c2_256	1838	7060	443 1	.332	81	0.023
Protein name				Locus	Name	Acc#
				sp:RK23	EUGGR	P19167
Description						
CHLOROPLAST 50S R	BOSOMAL PRO	TEIN L23				
CHIOROT LIBI 3 05 11				*	-	
			NT	AA	Score	Probability
ORF Name	NTID	AAID	Length	Length		
	NTID		Length	Length	129	5.6e-06
ORF Name 391003_f2_101 Protein name	<u>NTID</u> [1839	<u>AAID</u> 7061	Length	Length Discourse	129 Name	5.6e-06 Acc#
ORF Name 3.910.03f2101	NTID [1839	AAID 7061 thesis	Length	Length	129 Name	5.6e-06
ORF Name 391003_f2_101 Protein name ubiquinone/menaqui	NTID [1839	AAID 7061 thesis	Length	Length Discourse	129 Name	5.6e-06 Acc#
ORF Name 391003f2101 Protein name ubiquinone/menaquimethyltransferase-r	NTID [1839	AAID 7061 thesis	Length	Length Dicus Dir:F72	129 Name	5.6e-06 Acc#
ORF Name 391003f2101 Protein name ubiquinone/menaquimethyltransferase-r	NTID [1839	AAID 7061 thesis	Length	Length Discourse	129 Name	5.6e-06 Acc#
ORF Name 391003_f2_101 Protein name ubiquinone/menaquimethyltransferase-r Description	NTID 1839 Inone biosyn related prot	AAID 7061 thesis	Length NT Length	Length D36 Locus pir:F72	129 S Name 2262	5.6e-06 <u>Acc#</u> F72262
ORF Name 391003f2101 Protein name ubiquinone/menaquimethyltransferase-r Description ORF Name	NTID 1839 Inone biosyn related prot	AAID thesis ein AAID	Length NT Length	Length Locus pir:F72 AA Length	129 S Name 2262 Score	5.6e-06 Acc# F72262 Probability
ORF Name 391003f2101 Protein name ubiquinone/menaquimethyltransferase-r Description ORF Name 3912637f128	NTID INTID Inone biosyn related protein	AAID thesis ein AAID	Length NT Length	Length Locus pir:F72 AA Length	129 S Name 2262 Score 428 Name	5.6e-06 Acc# F72262 Probability 3.9e-40

	$\frac{\text{NT}}{\text{NT}}$ $\frac{\text{AA}}{\text{A}}$, Score Probability
ORF Name	NTID AAID Length Length
392802_c2_261	1841 7063 198 597 541 4.1e-52
Protein name	Locus Name Acc#
ORF8S	gp:AB028134 AB028134
Description	
	O-antigen gene cluster for ORF6S, ORF7S, ORF8S,ORF9S, and complete cds.
	$\frac{\text{NT}}{\text{NT}}$, $\frac{\text{AA}}{\text{AA}}$, Score Probability
ORF Name	NTID AAID Length Length Flobability
3957767_£2_69	1842 7064 372 1119 1076 8.4e-109
Protein name	Locus Name Acc#
alanine dehydro	genase gp:AF070716 AF070716
Description	
Vibrio proteoly	ticus alanine dehydrogenase (ald) gene, completecds.
	7.7
ORF Name	$rac{ ext{NT}}{ ext{NTID}}$ $rac{ ext{AA}}{ ext{AAID}}$ $rac{ ext{Length}}{ ext{Length}}$ $rac{ ext{Score}}{ ext{Length}}$ $rac{ ext{Probability}}{ ext{Probability}}$
40.710.52 <u></u> c2 <u></u> 242	1843 7065 250 753 312 7.6e-28
Protein name	Locus Name Acc#
Tou1	gp:AF058689 AF058689
Description	
Neisseria menin	gitidis strain Z2491, genomic sequence.
ORF Name	$rac{ ext{NT}}{ ext{NTID}}$ $rac{ ext{AA}}{ ext{Length}}$ $rac{ ext{Score}}{ ext{Length}}$ $rac{ ext{Probability}}{ ext{Probability}}$
411.7802 <u></u> c1225	
Protein name	Locus Name Acc#
hypothetical pr	otein pir:S75991 S75991
1	Dir. 5/3331
Description	p11.575551

ORF Name	NTID AAI	<u>NT</u> D <u>Length</u>	<u>AA</u> Length	Score	Probability
4407580_c1_215	1845 7067	261	786	761	2.0e-75
Protein name				s Name	<u>Acc#</u>
putative glycosyl	transierase		gp:AF04	18749	AF048749
Description					
Bacteroides fragisequence.	is capsular poly	saccharide	biosynthe	esis oper	con, complete
		NT	AA	Score	Probability
ORF Name	NTID AAI	D <u>Length</u>	Length	<u></u>	
4457808_c2_287	1846 7068	490	1470	189	3.8e-12
Protein name			Locus	Name	Acc#
conserved hypothet	ical protein		pir:B72	2224	B72224
Description					
ORF Name	NTID AAI	NT D Length	<u>AA</u> Length	Score	Probability
4789052 <u></u> c3 <u></u> 321	1847 7069	282	849	609	2.6e-59
Protein name			Locus	Name	Acc#
quinolinate phosph	oribosyl transfer	rase	pir:B70	375	B70375
Description					
× 0 ,					
ORF Name	NTID AAI	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
4975937 <u>c2281</u>	1848 7070	230	693	266	5.7e-23
Protein name			Locus	Name	Acc#
conserved hypothet	ical protein		pir:A72	2334	A72334
Description					

ORF Name	NTID AAI	<u>NT</u> <u>Az</u> D Length Leng	– SCOTA	Probability	
585312_f1_34	1849 7071	132 399	154	4.2e-11	
Protein name		<u> </u>	ocus Name	Acc#	
		ep:	LGUL_NEIME	033393	
Description		-			
(S-D-LACTOYLGLU	TATHIONE METHYLGLYC	OXAL LYASE)			
		NT A	A Score	Probability	
ORF Name	NTID AA	ID Length Leng	gth BCOIC	11000001110)	
598150_f2_113	1850 7072	61 186			
Protein name		<u>I</u>	ocus Name	Acc#	
Description					
NO-HIT		4			7
					J
		<u>NT</u> A	– Score	Probability	
ORF Name	NTID AA	ID Length Len	– Score	Probability	
ORF Name 625.933	-		– Score	3	J
	-	ID Length Len	– Score	Probability Acc#	
625933 <u></u> c1 <u></u> 196	-	ID Length Len	gth Score	3	
625933_cl_196 Protein name	-	ID Length Len	gth Score	3	
625.933_cl_196 Protein name Description	-	ID Length Len	gth Score	Acc#	
625.933_cl_196 Protein name Description	-	D Length	Score Score A Score	3]
Protein name Description NO-HIT	1851 7073	ID Length	Score Score A Score	Acc#]
Protein name Description NO-HIT ORF Name	1851 7073	D Length Length Length NT A Length Length Length Length	Score Score A Score	Acc#	
Protein name Description NO-HIT ORF Name 66.7.9812c2273	1851 7073	D Length Length Length NT A Length Length Length Length	A Score gth Score Score Score gth Score	Acc#	

$\frac{NT}{AA}$, Score Probability	
ORF Name NTID AAID Length Length	
7293_c3_288	
Protein name Locus Name Acc#	
sp:REP1_YEAST P03871	
Description	
TRANS-ACTING FACTOR B (REP1) (PROTEIN BAKER)	٦
NTT AA	
ORF Name NTID AAID Length Length Probability	
907575_c1_208	
Protein name Locus Name Acc#	
putative epimerase/dehydratase Wbil gp:AF064070 AF064070)
Description	
Burkholderia pseudomallei putative dihydroorotase (pyrC) gene,partial cds; putative 1-acyl-sn-glycerol-3-phosphateacyltransferase (plsC), putative diadenosine tetraphosphatase(apaH), complete cds; type II O-antigen biosynthesis gene cluster,complete sequence; putative undecaprenyl phosphateN-acetylglucosaminyltransferase, and putative	
	_
NT AA	
—, — Score Probability	
ORF Name NTID AAID Length Length Score Probability	
ORF Name NTID AAID Length Length Score Probability 9.7.7.2.02_c1_226	
ORF Name NTID AAID Length Length Score Probability 977202_cl_226	
ORF Name NTID AAID Length Score Probability 97.72.02_cl_226	
ORF Name NTID AAID Length Length Score Probability 97.72.02_cl_226	
ORF Name NTID AAID Length Length Score Probability 97.72.02_cl_226	
ORF Name NTID AAID Length Length 9.7.72.02_cl_226	
ORF Name NTID AAID Length Length Score Probability 97.77202cl226	7
ORF Name NTID AAID Length Length Score Probability 97.72.02_c1_226 1855 7077 501 1506] -

ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
14722075_f1_6	1857	7079	77 2	34	137	2.7e-09	
Protein name				Locus	Name	Acc#	
ribosomal protein	L30			pir:B72	248	B72248	
Description							
			NT	AA	Score	Probability	
ORF Name	NTID	AAID	Length	Length	BCOIC	r robabilito y	
14868817 <u></u> ±1 <u>.</u> 12	1858	7080	113	342			
Protein name				Locus	Name	Acc#	
Description							
NO-HIT			*			-	
			אזידי	7\7\			
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
ORF Name 157552_c1_36		<u>AAID</u> 7081	Length		Score	Probability 3.1e-22	-
			Length	Length		· · · · · · · · · · · · · · · · · · ·	
 157552c136			Length	Length 1851 Locus	266	3.1e-22	
 157552c136			Length	Length 1851 Locus	266 Name	3.1e-22 <u>Acc#</u>	
157552_c1_36 Protein name	1859	7081	Length	Length 1851 Locus	266 Name	3.1e-22 <u>Acc#</u>	
Protein name Description	1859	7081	Length	Length Locus sp:MUTS	266 S Name S AQUPY	3.1e-22 <u>Acc#</u> P70755	- 7
Protein name Description	1859	7081	Length	Length 1851 Locus	266 Name	3.1e-22 <u>Acc#</u>	
157552_cl_36 Protein name Description DNA MISMATCH REPA	IR PROTEIN M	7081 UTS	Length 616 NT Length	Length Locus Sp:MUTS	266 S Name S AQUPY	3.1e-22 <u>Acc#</u> P70755	
Protein name Description DNA MISMATCH REPA	IR PROTEIN M	TO81 UTS AAID	Length 616 NT Length	Length Locus Sp:MUTS AA Length	266 S Name S AQUPY Score	Acc# P70755 Probability	
Protein name Description DNA MISMATCH REPA ORF Name 16595463t14	1859 [IR PROTEIN M NTID 1860 [TO81 UTS AAID	Length 616 NT Length	Length Locus Sp:MUTS AA Length	266 S Name S_AQUPY Score 458 S Name	3.1e-22 Acc# P70755 Probability 2.6e-43	

ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probabili	ty
16836062_f1_11	1861 70	83	203 6	12	504	3.4e-48	
Protein name				Locus	Name	Acc#	
				sp:RS4_	BACST	P8128	8
Description							
30S RIBOSOMAL PR	OTEIN S4						
			NU	7.7			
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probabili	ty
22540937_£3_29	1862 70	84	162 4	89	318	1.8e-28	
Protein name				Locus	Name	Acc#	
				sp:RL17	_PSEAE	05276	1
Description							
50S RIBOSOMAL PR	OTEIN L17						- 0
			NUT	7\7\	*		
ORF Name	NTID	AAID	<u>NT</u> Length	AA Length	Score	Probabili	ty
ORF Name 23475302t328			<u>Length</u>		Score 634	Probabili	
			<u>Length</u>	Length			*
234753.02±328			<u>Length</u>	Length	634 Name	5.8e-62	7
234753.02±328			<u>Length</u>	Length 008 Locus	634 Name	5.8e-62 <u>Acc</u> #	7
23475302_t3_28 Protein name Description		85	Length	Length 008 Locus	634 Name	5.8e-62 <u>Acc</u> #	7
Protein name Description	1863 70	85	Length 335 [1	Length 008 Locus Sp:RPOA	634 Name	5.8e-62 <u>Acc#</u> 05063	34
Protein name Description	1863 70	.PHA SUBT	Length	Length 008 Locus	634 Name	5.8e-62 <u>Acc</u> #	34
Protein name Description ALPHA CHAIN) (RN	A POLYMERASE AI	PHA SUBT	Length UNIT) NT Length	Length 008 Locus Sp:RPOA	634 Name A_BACHD	5.8e-62 <u>Acc#</u> 05063	ty
Protein name Description ALPHA CHAIN) (RN	A POLYMERASE AI	PHA SUBT	Length 335 UNIT) NT Length	Length Locus Sp:RPOA AA Length	634 Name A_BACHD Score	5.8e-62 Acc# 05063	ty
Protein name Description ALPHA CHAIN) (RN ORF Name	A POLYMERASE AI	PHA SUBT	Length 335 UNIT) NT Length	Length Locus Sp:RPOA AA Length	Score 373 Name	5.8e-62 Acc# 05063 Probabili	ty
Protein name Description ALPHA CHAIN) (RN ORF Name	1863 70 A POLYMERASE AI NTID 1864 70	AAID	Length 335 [1 UNIT) NT Length 149 [4	Length Locus Sp:RPOA AA Length Locus gp:AB01	Score 373 S Name	5.8e-62 Acc# O5063 Probabili 2.6e-34 Acc# AB017	ty

	_		NT	AA		
ORF Name	NTID	AAID	Length	<u>Length</u>	Score	Probability
23712803_f1_1	1865	7087	186	661	524	2.6e-50
Protein name	,			Locus	s Name	Acc#
				sp:RL5	BACSU	P12877
Description						
50S RIBOSOMAL PROT	EIN L5 (BL	5)			1	
ORF Name	NTID	AAID	NT Length	<u>AA</u> Length	Score	Probability
24353377_f1_2	1866	7088	100 3	303	274	8.1e-24
Protein name				Locus	s Name	Acc#
ribosomal protein	S14			pir:R3	EC14	
Description						
Y .						
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
ORF Name 24353385		<u>AAID</u> 7089	Length		Score	Probability 3.4e-25
			Length	Length	*	
24353385 <u></u> £1 <u></u> 10	. 1867		Length	Length	287 s Name	3.4e-25
24353385_fl_10 Protein name initiation factor Description	. 1867	7089	Length 73 2	Length Locus	287 s Name 15283	3.4e-25 <u>Acc#</u> AF115283
24353385_fl_10	. 1867	7089	Length 73 2	Length Locus	287 s Name 15283	3.4e-25 <u>Acc#</u> AF115283
24353385_fl_10 Protein name initiation factor Description	. 1867	7089	Length 73 2 Locus, co	Length Locus Locus gp:AFI	287 s Name 15283	3.4e-25 Acc# AF115283
24353385_fl_10 Protein name initiation factor Description	. 1867	7089	Length 73 2	Length Locus	287 s Name 15283	3.4e-25 <u>Acc#</u> AF115283
24353385_f1_10 Protein name initiation factor Description Leptospira interro	1867 IF1 gans S10-sp	7089	Length 73 Length NT Length	Length Locus Locus gp:AF1 complete s	287 S Name 15283 Sequence	3.4e-25 Acc# AF115283
24353385_f1_10 Protein name initiation factor Description Leptospira interro ORF Name	1867 IF1 gans S10-sp	pc-alpha AAID	Length 73 Length NT Length	Length Locus gp:AF1 complete s AA Length	287 s Name 15283 sequence	Acc# AF115283 Probability
24353385_f1_10 Protein name initiation factor Description Leptospira interro ORF Name 25437550_f1_7	1867 IF1 gans S10-sp NTID 1868	pc-alpha AAID	Length 73 2 Locus, co NT Length	Length Locus gp:AF1 complete s AA Length	287 S Name 15283 Sequence Score 354 S Name	3.4e-25 Acc# AF115283 Probability 2.7e-32

			NT	AA	Score	Probability
ORF Name	NTID	AAID	Length	Length	BCOLE	FIODADILICY
3019182_f3_30	1869	7091	148	147		
Protein name				Locus	Name	Acc#
December						
Description						2
NO-HIT						
			NT	AA	C	D1-1-1-1-1-
ORF Name	NTID	AAID	Length	Length	Score	Probability
3939377£15	1870	7092	118	357	332	5.8e-30
Protein name				Locus	Name	Acc#
				sp:RL18	BACSU	
Description						
50S RIBOSOMAL PRO	OTEIN L18	*				
	· · · · · · · · · · · · · · · · · · ·					
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
ORF Name	NTID	AAID	Length	Length	*	
4040885 <u></u> £3 <u></u> 26		<u>AAID</u> 7093	<u>Length</u>	Length	Score	Probability [1.5e-38]
			Length	Length	413	
4040885 <u></u> £3 <u></u> 26	1871		Length	Length	413 Name	1.5e-38
4040885£326 Protein name	1871		Length	Length B84 Locus	413 Name	1.5e-38 Acc#
Protein name ribosomal protein	1871 [7093	Length	Length B84 Locus gp:AF11	413 Name 5283	1.5e-38 <u>Acc#</u> AF115283
Protein name ribosomal protein Description	1871 [7093	Length 127	Length B84 Locus gp:AF11 omplete se	413 Name 5283	1.5e-38 <u>Acc#</u> AF115283
Protein name ribosomal protein Description	1871 [7093	Length	Length B84 Locus gp:AF11	413 Name 5283	1.5e-38 <u>Acc#</u> AF115283
4040885t326	1871 [1871] S13 rogans S10-sp	7093	Length 127 Cocus, co	Length B84 Locus gp:AF11 omplete so	Name 5283 equence.	1.5e-38 Acc# AF115283
Protein name ribosomal protein Description Leptospira interr	1871 [1871] S13 rogans S10-sp	7093 c-alpha	Length 127 Cocus, co	Length B84 Locus gp:AF11 complete so AA Length	Name 5283 equence. Score	1.5e-38 Acc# AF115283 Probability 1.0e-41
Protein name ribosomal protein Description Leptospira interr ORF Name	1871 [1871] S13 rogans S10-sp	7093 c-alpha	Length 127 Cocus, co	Length B84 Locus gp:AF11 omplete so AA Length S31 Locus	Name 5283 equence. Score 443 Name	1.5e-38 Acc# AF115283 Probability 1.0e-41 Acc#
Protein name ribosomal protein Description Leptospira interr ORF Name 4334377t325	1871 [1871] S13 rogans S10-sp	7093 c-alpha	Length 127 Cocus, co	Length B84 Locus gp:AF11 complete so AA Length	Name 5283 equence. Score 443 Name	1.5e-38 Acc# AF115283 Probability 1.0e-41
Protein name ribosomal protein Description Leptospira interr ORF Name	1871 S13 Fogans S10-spo	AAID	Length 127 Locus, co NT Length 176	Length Locus gp:AF11 mplete s AA Length Locus gp:AB01	Name 5283 equence. Score 443 Name 7508	1.5e-38 Acc# AF115283 Probability 1.0e-41 Acc# AB017508

			NT	AA	Caoro	Probability
ORF Name	NTID	AAID	Length	Length	Score	Probability
5117303_f1_9	1873	7095	267	04	573	4.2e-66
Protein name				Locus	Name	Acc#
				gp:AB017	7508	AB017508
Description	,					
Bacillus halodur	ans C-125 ger	nomic DNA,	32 kb f	ragment,	complet	ecds.
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
578213_f3_31	1874	7096	215	548		
Protein name				Locus	Name	Acc#
Description						
NO-HIT						
						
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
ORF Name 5897177f220		<u>AAID</u>	Length	Length	Score	Probability 2.5e-36
			Length	Length	392	
5897177 <u></u> £2 <u></u> 20			Length	Length	392 Name	2.5e-36
5897177 <u></u> £2 <u></u> 20			Length	Length Locus	392 Name	2.5e-36 <u>Acc#</u>
5897177 <u>f2</u> 20 Protein name	1875		Length	Length Locus	392 Name	2.5e-36 <u>Acc#</u>
Protein name Description	1875		Length	Length Locus sp:RS11	392 Name	2.5e-36 <u>Acc#</u>
Protein name Description	1875		Length	Length Locus	392 Name	2.5e-36 <u>Acc#</u>
Protein name Description 30S RIBOSOMAL PR	1875 ROTEIN S11 NTID	7097	Length 134 NT Length	Length Locus Sp:RS11 AA Length	392 Name STRCO	2.5e-36 Acc# P72403
Protein name Description 30S RIBOSOMAL PROTEIN Name	1875 ROTEIN S11 NTID	7097 AAID	Length 134 NT Length	Length Locus Sp:RS11 AA Length	Name STRCO Score	2.5e-36 Acc# P72403 Probability
Protein name Description 30S RIBOSOMAL PROTEIN NAME ORF Name	1875 ROTEIN S11 NTID 1876	7097 AAID	Length 134 NT Length	Length Locus Sp:RS11 AA Length	Name STRCO Score 913 Name	2.5e-36 Acc# P72403 Probability 1.6e-91
Protein name Description 30S RIBOSOMAL PROTEIN NAME 9969412_f2_18	NTID 1876 Slocase Secy	AAID 7098	Length 134 NT Length 452	Length Locus sp:RS11 AA Length Locus Locus	Name STRCO Score 913 Name 5283	2.5e-36 Acc# P72403 Probability 1.6e-91 Acc# AF115283

ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
10742027_c1_170 Protein name	1877	7099	61 1	B6 Locus	s Name	Acc#
Description						
MO-HII		, A				
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
12533408_c1_171	1878	7100	177 5	34	(1) T	
Protein name				Locus	3 Name	Acc#
Description						
NO-HIT					(3)	, ⁻
			NT	AA		
ORF Name	NTID	AAID	Length	Length	Score	Probability
13941932£114	1879	7101	759 2	280	1022	4.4e-103
Protein name					Name	Acc#
immunoreactive 89kD	antigen I	2G87		gp:AF1	75722	AF175722
Description	1.					-
Porphyromonas gingi complete cds.	valis stra	ain W50 ir	nmunoreac	tive 89k	D antig€	enPG87 gene,
			NT	AA		
ORF Name	NTID	AAID	Length	Length	Score	Probability
14105438f249	1880	7102	802 2	409	991	8.5e-100
Protein name	* 11	-		Locus	Name	Acc#
hypothetical protei	n Rv0584			pir:G70	0934	G70934
Description	0					1

ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
1453553_c2_174	1881	7103	1220 3	663	1910	4.3e-222
Protein name				Locus	Name	Acc#
beta-galactosidase				gp:AF05	5482	AF055482
Description						
Thermotoga neapoli	tana galac	tose util:	ization c	peron, c	ompletes	sequence.
			NT	AA		
ORF Name	NTID	AAID	Length	Length	Score	Probability
22445937_f1_28	1882	7104	378 1	137	146	4.2e-07
Protein name				Locus	Name	Acc#
hypothetical prote	in			pir:A75	327	A75327
Description						
			NT	7.7.		
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
ORF Name 24301306_c2_179	*	<u>AAID</u> 7105	Length		Score	Probability
	*		Length	Length	Score Name	Probability Acc#
24301306 <u></u> c2 <u></u> 179	*		Length	Length	.9 .	*
24301306c2179 Protein name	*		Length	Length	.9 .	*
Protein name Description	*		Length	Length 195 Locus	.9 .	Acc#
Protein name Description	*		Length	Length	.9 .	*
Protein name Description NO-HIT	1883 NTID	7105	Length 64 NT Length	Length Locus AA	s Name	Acc#
24301306_c2_179 Protein name Description NO-HIT ORF Name	1883 NTID	7105 AAID	Length NT Length	Length Locus AA Length	s Name	Acc#
24301306_c2_179 Protein name Description NO-HIT ORF Name 24414007_f1_22	1883 NTID	7105 AAID	Length NT Length	Length Locus AA Length	Name Score	Acc# Probability

		777	NT	AA Tanatah	Score	Probability	
ORF Name	NTID	AAID	Length	Length			
24415930_f2_56	1885	7107	736	2211	430	6.3e-38	
Protein name				Locus	s Name	Acc#	
115K outer membra protein	ne protein p	precursor	:SusC	pir:JC	5027	JC6027	
Description							
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
24422510 <u></u> c3 <u></u> 23.7	1886	7108	347	044	305	5.5e-27	
Protein name				Locus	s Name	Acc#	
hypothetical prot	ein RP407			pir:F7	1698	F71698	
Description							
	· · · · · · · · · · · · · · · · · · ·		ХIП	7. 7.			
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	-
ORF Name 2449093713113		<u>AAID</u> 7109	Length		Score	Probability	-
			Length	Length	Score s Name	Probability Acc#	
24490937 <u></u> £3 <u></u> 113			Length	Length			4
24490937f3113 Protein name			Length	Length			4
24490937_f3_113 Protein name Description			Length	Length Locus			
24490937_f3_113 Protein name Description			Length	Length			
Protein name Description NO-HIT		7109	Length 135 NT Length	Length Locus	s Name	Acc#	
Protein name Description NO-HIT ORF Name		7109 AAID	Length 135 NT Length	Length Locus AA Length	Score	Acc# Probability	
24490937f3113 Protein name Description NO-HIT ORF Name 24820301c2202		7109 AAID	Length 135 NT Length	Length Locus AA Length Locus Locus	Score	Acc# Probability 1.3e-07	
24490937f3113 Protein name Description NO-HIT ORF Name 24820301c2202		7109 AAID	Length 135 NT Length	Length Locus AA Length Locus Locus	Score 121 S Name	Acc# Probability 1.3e-07 Acc#	

ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
24823562_c3_230	1889	7111		201			
Protein name				Locus	s Name	Acc#	
Description							
NO-HIT]
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
2616636 <u></u> f1 <u></u> 23	1890	7112	183	552	222	2.6e-18	
Protein name				Locus	s Name	Acc#	
conserved hypothetic	cal protei	n ylbH		pir:E6	9874	E69874	
Description							
							_
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
ORF Name 26351577c2177	<u>NTID</u>	<u>AAID</u> 7113	Length		Score 422	Probability 3.5e-38	
			Length	Length	<i>*</i>		
26351577_c2_177 Protein name sensory transduction	1891 histidir	7113	Length	Length	422 S Name	3.5e-38	
26351577c2177 Protein name	1891 histidir	7113	Length	Length L170 Locus	422 S Name	3.5e-38 <u>Acc#</u>	
26351577_c2_177 Protein name sensory transduction	1891 histidir	7113	Length	Length L170 Locus	422 S Name	3.5e-38 <u>Acc#</u>	
Protein name sensory transductions 1r2098: protein slr2	1891 histidir	7113	Length 389 7	Length Locus pir:S7	422 S Name	3.5e-38 <u>Acc#</u>	
Protein name sensory transductions 1r2098: protein slr2	1891 histidir	7113	Length	Length L170 Locus	422 S Name	3.5e-38 <u>Acc#</u>	
Protein name sensory transduction slr2098:protein slr2 Description	n histidir 098:protei	7113 ne kinase n slr2098	Length 389 NT Length	Length Locus pir:S7	422 S Name 5130	3.5e-38 <u>Acc#</u> S75130	
Protein name Sensory transduction slr2098:protein slr2 Description ORF Name	n histidir 098:protei	7113 ne kinase n slr2098	Length 389 NT Length	Length Locus pir:S7 AA Length	A22 S Name S130 Score	3.5e-38 Acc# S75130 Probability	
Protein name Sensory transduction slr2098:protein slr2 Description ORF Name	n histidin 098:protei NTID	AAID	Length 389 NT Length	Length Locus pir:S7 AA Length	Score 449 Name	3.5e-38 Acc# S75130 Probability 2.3e-42	

NT AA Score Probability ORF Name NTID AAID Length Length	<u>-</u>
29332532_c2_196	
Protein name Locus Name Acc#	
pobR regulator gp:PSEY18527 Y18527	
Description	
Pseudomonas sp. pobA, pobR, pcaQ, pcaH and pcaG genes.	
ORF Name NTID AAID Length Length Score Probability	<i>T</i>
29412805_f1_12	
Protein name Locus Name Acc#	
RNA polymerase sigma factor SigZ-like protein gp:AF137263 AF1372	63
Description	
Bacteroides thetaiotaomicron 30S ribosomal protein S16-likeprotein, fucosogene cluster, and RNA polymerase sigma factorSigZ-like protein (sigZ) generate	e s.
complete cds.	
complete cds. $\frac{ ext{NT}}{ ext{N}}$ $\frac{ ext{AA}}{ ext{Score}}$ Score Probability	
ORF Name NTID AAID Length Length NTID AAID Length Length	
ORF Name NTID AAID Length Length Score Probability 31328126c1149	
ORF Name NTID AAID Length Length Score Probability 31328126_c1_149 1895 7117 478 1437 144 4.2e-12 Protein name Locus Name Acc#	
ORF Name NTID AAID Length Length Score Probability 31328126_c1_149	
ORF Name NTID AAID Length Length Score Probability 31328126_c1_149	
ORF Name NTID AAID Length Length Score Probability 31328126_c1_149	2
ORF Name NTID AAID Length Length Score Probability 31328126c1149	2
ORF Name NTID AAID Length Length Score Probability 31328126c1149	2
ORF Name NTID AAID Length Length Score Probability 31328126_c1_149 1895 7117 478 1437 144 4.2e-12 Protein name Locus Name Acc# hypothetical protein MJ1519 pir:F64489 F64489 Description NTID AAID Length Length Score Probability 31408525_f3_121 1896 7118 65 198	2

			$\overline{ ext{NT}}$	<u>AA</u>	Score	Probability
ORF Name	NTID	AAID	Length	Length		
33366385_f1_15	1897	7119	766 2	301	2410	3.6e-250
Protein name				Locus	Name	Acc#
immunoreactive 89	kD antigen P	G87		gp:AF1	75722	AF175722
Description						
Porphyromonas gir complete cds.	givalis stra	in W50 im	munoreac	tive 89	D antige	enPG87 gene,
		···········	NT	AA		_ , , , , , ,
ORF Name	NTID	AAID	Length	Length	Score	Probability
34179592_£2_74	1898	7120	430	.293	526	1.9e-61
Protein name				Locus	Name	Acc#
3-phosphoshikimat				pir:JN	758	
1-carboxyvinyltran		nolpyruvy	vlshikim	<u> </u>		
ate-3-phosphate sy	mthase					
Description			0			
						
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
3.425.13.02 <u></u> ±3 <u></u> 83	1899	7121	876	2631	1368	3.2e-193
Protein name				Locu	s Name	Acc#
alanyl-tRNA synth	ietase					
				gp:AF0	27500	AF027500
Description				l L		
Aguifex pyrophilu	ıs alanyl-tRN	A synthet	tase (ala	aS) gene	, comple	tecds; and
	ıs alanyl-tRN	A synthet	tase (ala subunit	aS) gene	, comple	tecds; and
Aguifex pyrophilu	ıs alanyl-tRN	A synthet	subunit	aS) gene (clpA) ge	, comple	tecds; and
Aguifex pyrophilu	ıs alanyl-tRN	IA synthet gulatory s AAID	tase (ala subunit <u>NT</u> Length	aS) gene	, comple	tecds; and
Aquifex pyrophilu ATP-dependent Clp	us alanyl-tRN protease reg <u>NTID</u>	gulatory s	NT Length	aS) gene (clpA) ge	, completene,part	tecds; and ial cds.
Aquifex pyrophilu ATP-dependent Clp ORF Name	us alanyl-tRN protease reg <u>NTID</u>	gulatory s	NT Length	AA Length	, completene,part	tecds; and ial cds.
Aquifex pyrophilu ATP-dependent Clp ORF Name 4039063_c2_183	us alanyl-tRN protease reg <u>NTID</u>	gulatory s	NT Length	AA Length	completene, part:	tecds; and ial cds. Probability

			$\underline{\mathtt{NT}}$	$\underline{\underline{AA}}$	Score	Probability	
ORF Name	NTID	AAID	Length	Length		·	
4113941_c3_208	1901	7123	656 1	.971	379	3.2e-32	
Protein name				Locus	s Name	Acc#	
lacto-N-biosidase	precursor			gp:SSU4	10488	U40488	
Description							
Streptomyces sp.	Iacto-N-bio	sidase pr	ecursor g	gene, com	mplete co	is.	
			NT	AA	0.000	Drobability	
ORF Name	NTID	AAID	Length	Length	Score	Probability	
4173192_f2_57	1902	7124	196	91			
Protein name				Locus	3 Name	Acc#	
Description							
NO-HIT							
			NT	AA			
ORF Name	NTID	AAID	Length	Length	Score	Probability	
46.92208 <u></u> c2 <u></u> 173	1903	7125		.500	264	2.6e-49	
4692208c2173 Protein name	1903	7125		.500	264 s Name	2.6e-49 Acc#	
				.500	s Name		
Protein name				Locus	s Name	Acc#	
Protein name alpha-1,3/4-fucos	idase precu	rsor	499 [Locus	s Name 39394	Acc# U39394	
Protein name alpha-1,3/4-fucos Description	idase precu	rsor	se precu	Locus gp:SSU	s Name 39394	Acc# U39394 etecds.	
Protein name alpha-1,3/4-fucos Description	idase precu	rsor	499 [Locus	s Name 39394	Acc# U39394	
Protein name alpha-1,3/4-fucos Description Streptomyces sp.	idase precu alpha-1,3/4 <u>NTID</u>	rsor -fucosida	se precur	Locus gp:SSU rsor gene	S Name 39394 E, comple	Acc# U39394 etecds.	
Protein name alpha-1,3/4-fucos Description Streptomyces sp. ORF Name	idase precu alpha-1,3/4 <u>NTID</u>	rsor -fucosida <u>AAID</u>	se precur	Locus gp:SSU csor gene AA Length	s Name 39394 e, comple	Acc# U39394 etecds. Probability	
Protein name alpha-1,3/4-fucos Description Streptomyces sp. ORF Name 4964055_t2_48	idase precu alpha-1,3/4 NTID	ersor -fucosida <u>AAID</u> 7126	se precur	Locus gp:SSU csor gene AA Length	Score 598 S Name	Acc# U39394 etecds. Probability 3.8e-58	
Protein name alpha-1,3/4-fucos: Description Streptomyces sp. ORF Name 4964055_t2_48. Protein name	idase precu alpha-1,3/4 NTID	ersor -fucosida <u>AAID</u> 7126	se precur	Locus AA Length Locus Locus	Score 598 S Name	Acc# U39394 etecds. Probability 3.8e-58 Acc#	

	_	NT AA a	
ORF Name	NTID AAID	Length Length Score	Probability
5162628_f2_60	1905 7127	281 846	
Protein name		Locus Name	Acc#
Description			
NO-HIT			
		NT AA	
ORF Name	NTID AAID	Length Length Score	Probability
531963.7 <u></u> £2 <u></u> 58	1906 7128	385 1158	
Protein name		Locus Name	Acc#
Description			
NO-HIT			
		NT AA 2	
ORF Name	NTID AAID	Length Length Score	Probability
546925 <u></u> c2 <u></u> 176	1907 7129	303 912 156	3.3e-11
Protein name		Locus Name	Acc#
PobR		gp:RLU40388	U40388
Description			
		lator of pobA (pobR) gene (pobA) gene,partial cds	
ORF Name	NTID AAID	NT AA Length Length Score	Probability
625032 <u></u> c2 <u></u> 184	1908 7130	989 2970 166	1.7e-15
Protein name		Locus Name	Acc#
unknown		gp:AF007381	AF007381
Description	•		
Flavobacterium cds; and unknown		ility protein (gldA) gene	e,complete

ORF Name 6306441_f1_17	NTID AAID	NT AA Score Probability Length Length 178 5.0e-10
<u>Protein name</u>		Locus Name Acc#
receptor antige	n (RagA)	gp:PGI130872 AJ130872
Description		
Porphyromonas g immunodominant 5	_	antigen (rag) locus encodinga major
		NT AA Score Probability
ORF Name	NTID AAID	Length Length
634758_c1_140	1910 7132	79 240
Protein name		Locus Name Acc#
Description		
NO-HIT		
		7.2
ORF Name	NTID AAID	NT AA Score Probability Length Length
6761652 <u></u> c2 <u></u> 185		503 1512 915 9.6e-92
Protein name		Locus Name Acc#
		sp:YWNE_BACSU P71040
Description		
HYPOTHETICAL 55	.8 KD PROTEIN IN SPOII	Q-MTA INTERGENIC REGION
		NT AA
ORF Name	NTID AAID	Length Length Score Probability
796950 <u></u> £2 <u></u> 50		342 1029 165 1.0e-09
Protein name		Locus Name Acc#
transmembrane s	ensor	gp:AF051691 AF051691
Description		
Pseudomonas aer transmembrane se (fiuA) genes, co	nsor (fiuR), and hydro	A (psfA), ECF sigma factor(fiuI), xamate-typeferrisiderophore receptor

ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability	
Protein name	1913	7135	76	Locu	s Name	Acc#	
Description NO-HIT							1
ORF Name	NTID	AAID	<u>NT</u> Length	AA Length	Score	Probability	
10797128±358	1914	7136	384	1155	406	8.3e-38	
Protein name	-			Locu	s Name	Acc#	
DNA processing chai	n A			pir:C7	2399	C72399	
Description							
			NT	AA	Score	Probability	
ORF Name	NTID	AAID	Length	Length			
1293 <u></u> ±2 <u></u> 43	1915	7137	310	933	133	3.2e-06	
Protein name				Locu	s Name	Acc#	
				sp:EXS	A_PSEAE	P26993	
Description							
EXOENZYME S SYNTHES	IS REGULA	TORY PROT	EIN EXSA		<u></u>		
			NT	AA			
ORF Name	NTID	AAID	Length	<u>Length</u>	Score	Probability	
13157626 <u></u> £1 <u></u> 17	1916	7138	85	258			
Protein name				Locu	s Name	Acc#	
Description							
NO-HIT]
3	*]
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
134717 <u> </u>	1917	7139	322	969	107	0.0016	
Protein name				Locu	s Name	Acc#	
hypothetical protei	n RP870			pir:F7	1649	F71649	
Description					R	<u>-</u>	

ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
13678887_£3_67	1918	7140	72	219		
Protein name				Locus	Name	Acc#
Description						
NO-HIT						
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
20734627t240	1919	7141	341	1026		
Protein name				Locus	Name	Acc#
Description						
NO-HIT						
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
ORF Name 22068817c2132		<u>AAID</u> 7142	Length		Score	Probability 6.0e-12
			Length	Length		
Protein name RNA polymerase s:	1920		Length	Length	162 Name	6.0e-12
22068817c2132 Protein name	1920		Length	Length 198 Locus	162 Name	6.0e-12 <u>Acc#</u>
Protein name RNA polymerase s:	1920		Length	Length 198 Locus	162 Name	6.0e-12 <u>Acc#</u>
Protein name RNA polymerase s: Description	igma-E factor	7142	Length 165 NT Length	Length Locus pir:H75	162 Name	Acc# H75550
Protein name RNA polymerase s: Description ORF Name	igma-E factor	AAID	Length 165 NT Length	Length Locus Locus AA Length	162 Name 5550 Score	Acc# H75550 Probability
Protein name RNA polymerase s: Description ORF Name	1920	AAID	Length 165 NT Length	Length Locus Locus AA Length	162 Name 5550 Score 192 Name	Acc# H75550 Probability 5.0e-11
Protein name RNA polymerase s: Description ORF Name 220.72175_f3_62 Protein name	igma-E factor NTID 1921	AAID 7143	Length 165 NT Length 833	Length Locus AA Length 2502 Locus gp:AF15	162 Name 550 Score 192 Name	Acc# H75550 Probability 5.0e-11 Acc# AF155223

		NT AA Score Probability
ORF Name	NTID AAID	Length Length ———
22460876_f2_42	1922 7144	342 1029 111 0.0052
Protein name		Locus Name Acc#
71		gp:AF030027 AF030027
Description		
Equine herpesvii	rus 4 strain NS80567,	complete genome.
		NT AA G
ORF Name	NTID AAID	NT AA Score Probability Length Length
23634713_f1_22	1923 7145	377 1134 135 3.5e-11
Protein name		Locus Name Acc#
		gp:PSEOPRC D28119
Description		
Pseudomonas aeru	ginosa oprC gene for	outer membrane protein C, complete cds.
		NT AA
ORF Name	NTID AAID	NT AA Score Probability
ORF Name 23875636c192		- Score Propability
		Length Length Score Probability
23875636c192		Length Length Score Probability [96] [291] [78] [0.039]
23875636c192		Length Length Score Probability 96 291 78 0.039 Locus Name Acc#
Protein name Description	7146	Length Length Score Probability 96 291 78 0.039 Locus Name Acc#
Protein name Description	7146	Length Length Score Probability 96
Protein name Description	7146	Length Length Score Probability 96
Protein name Description HYPOTHETICAL 44	.1 KD PROTEIN IN RPB5-	Length Length Score Probability 96
Protein name Description HYPOTHETICAL 44 ORF Name	.1 KD PROTEIN IN RPB5-	Length Length Score Probability 96
Protein name Description HYPOTHETICAL 44 ORF Name	.1 KD PROTEIN IN RPB5-	Length Length Score Probability 96
Protein name Description HYPOTHETICAL 44 ORF Name	.1 KD PROTEIN IN RPB5-	Length Length Score Probability 96

			NUT	7\7\		
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	<u>Score</u>	Probability
24335967_c2_103	1926	7148	255	768	744	1.3e-73
Protein name				Locus	s Name	Acc#
putative reductase	e iron-sulfu	ır proteir	1	gp:SCM	LO	AL133469
Description						
Streptomyces coeli	icolor cosmi	ld M10.				
			NTI	7.7		
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
24486507_£3_69	1927	7149	211	536	187	3.1e-14
Protein name				Locus	s Name	Acc#
				sp:Y37	4_METJA	Q57819
Description						
HYPOTHETICAL PROTE	EIN MJ0374				-	
HYPOTHETICAL PROTE	EIN MJ0374		NUT	λ λ		
HYPOTHETICAL PROTE	EIN MJ0374 NTID	AAID	NT Length	<u>AA</u> Length	Score	Probability
	NTID	AAID 7150	Length		Score	Probability 8.2e-19
ORF Name	NTID		Length	Length		
ORF Name 25397550t2_31	NTID [1928	7150	Length	Length	197 s Name	8.2e-19
ORF Name 25397550f231 Protein name	NTID [1928	7150	Length	Length 1029 Locu	197 s Name	8.2e-19 <u>Acc#</u>
ORF Name 25397550t231 Protein name probable UDP-gluce	NTID [1928	7150	Length 342	Length 1029 Locu	197 s Name	8.2e-19 <u>Acc#</u>
ORF Name 25397550t231 Protein name probable UDP-gluce	NTID [1928	7150	Length	Length 1029 Locu	197 s Name	8.2e-19 <u>Acc#</u>
ORF Name 25397550t231 Protein name probable UDP-gluco Description	NTID 1928 Disc 4-epimen	7150	Length 342 NT Length	Length Locu Dir:A7	197 s Name 1183	8.2e-19 Acc# A71183
ORF Name 25397550t231 Protein name probable UDP-gluce Description ORF Name	NTID 1928 Disc 4-epimen	7150 case AAID	Length 342 NT Length	Length Locu Dir:A7 AA Length	197 s Name 1183 Score	8.2e-19 <u>Acc#</u> A71183 Probability
ORF Name 25397550t231 Protein name probable UDP-gluce Description ORF Name 26345025c195	NTID 1928 Disc 4-epimen	7150 case	Length 342 NT Length	Length Locu Dir:A7 AA Length	197 s Name 1183 Score 160 s Name	8.2e-19 Acc# A71183 Probability 9.7e-12

ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
31445427_c1_85 Protein name	1930	7152	330	1.0cus	576 Name	8.1e-56 Acc#
FIOCOIT Hame					F_BACSU	P37567
Description						
HYPOTHETICAL 37.1	KD PROTEIN	IN FOLK-	LYSS INTI	ERGENIC F	REGION	
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
33397252_c3_140	1931	7153	652	1959	2133	8.2e-221
Protein name				Locus	s Name	Acc#
putative reductase	flavoprot	ein subun	it	gp:SCM	10	AL133469
Description						
Streptomyces coeli	.color cosm	nid M10.				*
			NT	AA	Score	Probability
ORF Name	NTID	AAID	Length	Length	Score	Probability
	NTID		Length		Score	Probability 7.2e-07
ORF Name	NTID	AAID	Length	Length 879		7.2e-07 Acc#
ORF Name 33728400_c3_138	NTID	AAID	Length	Length 879 Locu	138	7.2e-07
ORF Name 33728400_c3_138	NTID	AAID	Length	Length 879 Locu	138 s Name	7.2e-07 Acc#
ORF Name 33728400_c3_138 Protein name	NTID	<u>AAID</u> 7154	Length	Length 879 Locu Sp:EXS	138 s Name	7.2e-07 Acc#
ORF Name 33728400_c3_138 Protein name Description	NTID	AAID 7154 ATORY PROT	Length 292 EIN EXSA NT	Length Nocu Sp:EXS	138 s Name A_PSEAE	7.2e-07 Acc# P26993
ORF Name 33728400_c3_138 Protein name Description	NTID	<u>AAID</u> 7154	Length 292 EIN EXSA NT Length	Length 879 Locu sp:EXS	138 s Name	7.2e-07 Acc#
ORF Name 33.728400_c3_138 Protein name Description EXOENZYME S SYNTHE	NTID 1932 ESIS REGULA	AAID 7154 ATORY PROT	Length 292 EIN EXSA NT Length	Length Nocu Sp:EXS	138 s Name A_PSEAE	7.2e-07 Acc# P26993
ORF Name 33.728400c3138 Protein name Description EXOENZYME S SYNTHE ORF Name 34197186t230	NTID 1932 ESIS REGULA NTID 1933	AAID 7154 ATORY PROT AAID 7155	Length 292 EIN EXSA NT Length	Length Locu Sp:EXS AA Length	138 s Name A_PSEAE Score	7.2e-07 Acc# P26993 Probability
ORF Name 3.3.7.2.8.4.0.0	NTID 1932 ESIS REGULA NTID 1933	AAID 7154 ATORY PROT AAID 7155	Length 292 EIN EXSA NT Length	Length Locu Sp:EXS AA Length	138 s Name A_PSEAE Score 494 s Name	7.2e-07 Acc# P26993 Probability 3.9e-47

ORF Name	NTID A	NT AID Length	AA Score	Probability
34379406_c1_78	1934 715		225 74	0.013
Protein name			Locus Name	Acc#
citrate synthase			gp:BBU28076	U28076
Description	, a			
Bartonella bacill	iformis citrate	synthase (gl	tA) gene, partia	I cds.
		NT	AA Score	Probability
ORF Name	NTID A	AID Length	Length Score	FIODADILLCY
36361057_f3_50	1935 715	7 317	954 980	1.2e-98
Protein name			Locus Name	Acc#
O-acetylserine(th	niol)-lyase-A re	lated protein	gp:AF174138	AF174138
Description				
Methanosarcina ba		erine(thiol)-	lyase-A relatedr	rotein (cysK)
gene, complete cds	5.			
ORF Name	NTID A	<u>NT</u> AID Length	AA Length Score	Probability
ORF Name 40253.75t357		AID Length	— Score	Probability 1.2e-157
		AID Length	Length Score	
4025375 <u></u> ±3 <u></u> 57		AID Length	<u>Length</u> <u>Score</u>	1.2e-157
4025375t357 Protein name		AID Length	Length Score Length 1537 Locus Name	1.2e-157 <u>Acc#</u>
4025375_t3_57 Protein name collagenase	<u>1936</u> 715	AID Length 8 425	Length Score Length 1537 Locus Name gp:AB006973	1.2e-157 <u>Acc#</u>
Protein name collagenase Description	<u>1936</u> 715	AID Length 8 425 collagenase,	Length Score Length 1537 Locus Name gp:AB006973 complete cds.	1.2e-157 <u>Acc#</u> AB006973
Protein name collagenase Description	1936 715	AID Length 8 425	Length Score Length 1537 Locus Name gp:AB006973 complete cds. AA Score	1.2e-157 <u>Acc#</u>
Protein name collagenase Description Porphyromonas gin	ngivalis DNA for	AID Length 8 425 collagenase, NT AID Length	Length Score Length 1537 Locus Name gp:AB006973 complete cds.	1.2e-157 <u>Acc#</u> AB006973
Protein name collagenase Description Porphyromonas gin	ngivalis DNA for	AID Length 8 425 collagenase, NT AID Length	Length Score Length Score 1278 1537 Locus Name gp:AB006973 complete cds. AA Length Score	Acc# AB006973 Probability
Protein name collagenase Description Porphyromonas gin ORF Name 4117202_f2_41	ngivalis DNA for	AID Length 8 425 collagenase, NT AID Length	Length Score Length 1537 Locus Name gp:AB006973 complete cds. AA Length Score 966 81	1.2e-157 Acc# AB006973 Probability 0.043
Protein name collagenase Description Porphyromonas gin ORF Name 4117202_f2_41	ngivalis DNA for	AID Length 8 425 collagenase, NT AID Length	Length 1278 1537 Locus Name gp:AB006973 complete cds. AA Length Score 966 81 Locus Name	1.2e-157 Acc# AB006973 Probability 0.043 Acc#

		NT AA Score Probability
ORF Name	NTID AAID	Length Length
4789162_c1_91	1938 7160	718 2157 1190 7.0e-121
Protein name		Locus Name Acc#
conserved hypothe	tical protein yvaJ	pir:G70027 G70027
Description		
		NT AA Grave Drobability
ORF Name	NTID AAID	Length Length Score Probability
5095937 <u>f1</u> 21	1939 7161	409 1230
Protein name		Locus Name Acc#
Description		
NO-HIT		
		NT AA Grana Brobabilitu
ORF Name	NTID AAIL	Score Probability
5994790 <u>f3</u> 49	1940 7162	286 861 281 3.2e-24
Protein name		Locus Name Acc#
probable lipase		pir:C75472 C75472
Description		*
		NT AA Grand Drobobility
ORF Name	NTID AAII	— Score Probability
6.0.53.8.8.5 <u></u> c2 <u></u> 1.01	1941 7163	64 195
Protein name	·	Locus Name Acc#
Description		
NO-HIT		
		NIII AA
ORF Name	NTID AAII	NT AA Score Probability Length Length
6.4.4.4.1.8.7 <u></u> .c.1 <u></u> 9.4	1942 7164	206 621
Protein name		Locus Name Acc#
Description	•	
NO-HIT		

			NT	<u>AA</u>	Score	Probability
ORF Name	NTID	AAID	Length	Length		1 2 22 2
781703_f2_36	1943 7.	165	239 7	20	96	0.0070
Protein name					Name	Acc#
hypothetical prot	ein			gp:PAU	243397	AJ243397
Description						
Pseudomonas aureo	faciens parti.	al bolA	gene and	ORF1 DI	IA.	
			NT	AA		Deckobiliter
ORF Name	NTID	AAID	Length	Length	Score	Probability
867012_c2_102	1944 7	166	234 7	05	199	7.2e-16
Protein name				Locu	s Name	Acc#
putative cytochro	me B subunit			gp:SCM	1.0	AL133469
Description						
Streptomyces coel	icolor cosmid	M10.				
			NT	AA		- 1 1 1 1 1 h
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
ORF Name 2141962_c3_52		<u>AAID</u> 167	Length		Score	Probability 9.5e-14
			<u>Length</u>	Length		0
			<u>Length</u>	Length	179 s Name	9.5e-14
2141962_c3_52			<u>Length</u>	Length 399 Locu	179 s Name	9.5e-14 <u>Acc#</u>
2141962_c3_52	1945 7	167	<u>Length</u>	Length 399 Locu	179 s Name	9.5e-14 <u>Acc#</u>
2141962_c3_52 Protein name MecI protein Description	1945 7	167	Length	Length B99 Locu Gp:SSK	179 s Name	9.5e-14 <u>Acc#</u> Y13095
2141962_c3_52 Protein name MecI protein Description	1945 7	167	<u>Length</u>	Length 399 Locu	179 s Name	9.5e-14 <u>Acc#</u>
Protein name MecI protein Description S.sciuri mecA2 ge	1945 7	167 (MM2).	Length 132 NT Length	Length Locu gp:SSK	179 s Name 3MECA2	9.5e-14 <u>Acc#</u> Y13095
Protein name Mecl protein Description S.sciuri mecA2 ge	1945 7	(MM2).	Length 132 NT Length	Length Locu Gp:SSK AA Length	179 s Name 3MECA2 Score	9.5e-14 Acc# Y13095 Probability
Protein name MecI protein Description S.sciuri mecA2 ge ORF Name		(MM2). AAID	Length 132 NT Length	Length Locu Gp:SSK AA Length	179 s Name 3MECA2 Score 113 s Name	9.5e-14 Acc# Y13095 Probability 0.0010
Protein name Mecl protein Description S.sciuri mecA2 ge ORF Name 23634637t114 Protein name		(MM2). AAID	Length 132 NT Length	Length Locu Sp:SSK AA Length Locu Locu	179 s Name 3MECA2 Score 113 s Name	9.5e-14 Acc# Y13095 Probability 0.0010 Acc#

			$\underline{\mathtt{NT}}$	AA	Score	Probability
ORF Name	NTID	AAID	<u>Length</u>	<u>Length</u>	<u> </u>	
24648410_c2_41	1947	7169	1097 3	3294	289	4.2e-37
Protein name				Locus	Name	Acc#
hypothetical prot	ein c0624			pir:S73	091	S73091
Description						
		*	NT	AA		
ORF Name	NTID	AAID	Length	<u>Length</u>	Score	Probability
25822143 <u></u> c3 <u></u> 53	1948	7170	731 2	2196	114	0.0037
Protein name				Locus	Name	Acc#
				sp:BLAR	_STAAU	P18357
Description						
REGULATORY PROTE	N BLAR1			-	-	
			NITT	7.7\		
ORF Name	NTID	AAID	<u>NT</u> Length	AA Length	Score	Probability
ORF Name 35159632_t3_27		<u>AAID</u> 7171	Length		Score 54	Probability 0.022
1			Length	Length		9
35159632 <u>t3</u> 27	1949	7171	Length	Length	54 Name	0.022
35159632f327 Protein name	1949	7171	Length	Length Locus	54 Name	0.022 <u>Acc#</u>
Protein name extracellular pro	1949 Stein Exp4 p	7171 precursor	Length	Length Locus gp:LLU9	54 Name	0.022 <u>Acc#</u> U95836
Protein name extracellular pro	1949 Stein Exp4 p	7171 precursor	Length 76 2	Length Locus Gp:LLU9 precurso	54 Name	0.022 Acc# U95836 partial cds.
Protein name extracellular pro	1949 Stein Exp4 p	7171 precursor	Length	Length Locus gp:LLU9	54 Name	0.022 <u>Acc#</u> U95836
Protein name extracellular pro Description Lactococcus lacts	1949 otein Exp4 p is extracell NTID	7171 Precursor Jular prot	Length 76 ein Exp4 NT Length	Length Locus Gp:LLU9 precurso	Name 5836 or, gene,	0.022 Acc# U95836 partial cds.
Protein name extracellular pro Description Lactococcus lact: ORF Name	1949 otein Exp4 p is extracell NTID	7171 Precursor Lular prot	Length 76 ein Exp4 NT Length	Length Locus gp:LLU9 precurso AA Length	Name 55836 or, gene,	O.022 Acc# U95836 partial cds. Probability
Protein name extracellular pro Description Lactococcus lact: ORF Name 4178387_c1_38	1949 otein Exp4 p is extracell NTID	7171 Precursor Lular prot	Length 76 ein Exp4 NT Length	Length Locus gp:LLU9 precurso AA Length	Name 55836 Tr, gene, Score 750 Name	Documents of the second
Protein name extracellular pro Description Lactococcus lact: ORF Name 4178387_c1_38	1949 otein Exp4 p is extracell NTID	7171 Precursor Lular prot	Length 76 ein Exp4 NT Length	Length Locus precurso AA Length Locus Locus	54 Name 55836 Tr, gene, Score 750 Name	Documents of the second

		NT	AA	
ORF Name	NTID A	AID Length	Length Score	Probability
4725192_f3_26	1951 717	3 676	2031 159	2.7e-13
Protein name			Locus Name	Acc#
hypothetical prot	ein F14F9.5		pir:T33774	T33774
Description				÷
		NT	AA c	
ORF Name	NTID A	AID Length	Length Score	Probability
24337765 <u></u> c316	1952 717	762	2286 673	6.1e-69
Protein name			Locus Name	Acc#
115K outer membra	ne protein prec	ursor:SusC	pir:JC6027	JC6027
Description				
		ИТ	AA Coore	Probability
ORF Name	NTID A	AID Length	Length Score	FIODADILICY
2477187 <u></u> c3 <u></u> 15	1953 717	5 60	183	
Protein name			Locus Name	Acc#
Description			i i	3
NO-HIT				
		NT	AA	
ORF Name	NTID A	AID Length	Length Score	Probability
35235700 <u></u> £2 <u></u> 6	1954 717	62	189	
Protein name			Locus Name	Acc#
Description				
NO-HIT				

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	NIGHTIO A	NT AID Length	AA Length Score	Probability
ORF Name				8.3e-86
5991061_c1_11	1955 717	7 227		
Protein name			Locus Name	Acc#
Phosphoenolpyruvat	e carboxykinase	9	gp:AB016600	AB016600
Description				
Selenomonas rumina	ntium gene for	Phosphoenolp	yruvate carboxy	kinase, complete
cds.				
ORF Name	NTID A	<u>NT</u> AID Length	AA Length	Probability
10009393_c1_53	1956 717	8 71	216	
Protein name			Locus Name	Acc#
Description				
Description				
NO-HIT				
ORF Name	NTID A	<u>NT</u> AID Length	AA Length	Probability
ORF Name 13103563_t3_37		AID Length	Score	Probability [5.3e-21
1		AID Length	Length Score	
13103563 <u></u> £3 <u></u> 37	1957 717	AID Length	Length Score	5.3e-21
13103563_t3_37 Protein name	1957 717	AID Length	Length Score Length 248 Locus Name	5.3e-21 Acc#
Protein name probable histiding	1957 717	AID Length	Length Score Length 248 Locus Name pir:F75515	5.3e-21 Acc# F75515
Protein name probable histiding Description	1957 717 ol phosphatase NTID A	AID Length 9 375 NT Length	Length Score Length 248 Locus Name pir:F75515	5.3e-21 Acc# F75515
Protein name Probable histiding Description ORF Name	1957 717 ol phosphatase NTID A	AID Length 9 375 NT Length	Length Score Length 248 Locus Name pir:F75515 AA Length Score	5.3e-21 Acc# F75515 Probability
Protein name Probable histiding Description ORF Name	1957 717 ol phosphatase NTID A	AID Length 9 375 NT Length	Length Score Length 248 Locus Name pir:F75515 AA Length Score 498 345	5.3e-21 Acc# F75515 Probability 2.4e-31 Acc#
Protein name Probable histiding Description ORF Name	1957 717 ol phosphatase NTID A	AID Length 9 375 NT Length	Length Locus Name Locus Name Pir:F75515 AA Length Score AB Length Locus Name Locus Name	5.3e-21 Acc# F75515 Probability 2.4e-31 Acc#

ORF Name	NTID AAID	NT AA Score Probability Length Length
17092_c1_50	1959 7181	395 1188 474 5.2e-45
Protein name		Locus Name Acc#
		gp:AB013492 AB013492
Description		
Bacillus halodur	rans C-125 genomic DN	A, 9A/3S' fragment, cloneALBAC001.
		NT AA Score Probability
ORF Name	NTID AAID	Length Length
1954562_f1_5	1960 7182	366 1101 1505 2.9e-154
Protein name		Locus Name Acc#
		sp:G3P_BACFR Q59199
Description		
(FRAGMENT)		. " ,
*		NT AA Georg Probability
ORF Name	NTID AAID	NT AA Score Probability Length Length
ORF Name 23958125 <u></u> c2 <u></u> 76		Score Propagativ
-		Length Length Score Probability
23958125 <u></u> c2 <u></u> 76		Length Length Score Probability 517 1554 1411 2.6e-144
23958125 <u></u> c2 <u></u> 76		Length Length Score Probability 517 1554 1411 2.6e-144 Locus Name Acc#
23958125_c2_76 Protein name Description		Length Length Score Probability 517 1554 1411 2.6e-144 Locus Name Acc#
23958125_c2_76 Protein name Description	7183	Length Length Score Probability 517
23958125_c2_76 Protein name Description	7183	Length Length Score Probability 517
23958125_c2_76 Protein name Description AMIDOTRANSFERASE	E) (GMP SYNTHETASE) NTID AAID	Length Length Score Probability 517 1554 1411 2.6e-144 Locus Name Acc# Sp:GUAA_ECOLI P04079 NT AA Score Probability
23958125_c2_76 Protein name Description AMIDOTRANSFERASE ORF Name	E) (GMP SYNTHETASE) NTID AAID	Length Length Score Probability Strain Locus Name Acc# Sp:GUAA_ECOLI P04079
23958125_c2_76 Protein name Description AMIDOTRANSFERASI ORF Name 24017187_t2_25	E) (GMP SYNTHETASE) NTID AAID	Length Length Score Probability 517 1554 1411 2.6e-144 Locus Name Acc# Sp:GUAA_ECOLI P04079 NT AA Score Probability Length Length 109 0.00037
23958125_c2_76 Protein name Description AMIDOTRANSFERASI ORF Name 24017187_t2_25	E) (GMP SYNTHETASE) NTID AAID	Length Length Probability

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ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
240762_c1_46	1963	7185	62	.89			
Protein name				Locus	Name	Acc#	
Description							
NO-HIT							
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
24229038 <u></u> £2 <u></u> 19	1964	7186	716	151	1255	9.0e-128	
Protein name				Locus	Name	Acc#	
				sp:OPDA	-ECOLI	P27298	
Description						*	
OLIGOPEPTIDASE A,						*	
	i						
ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability	
ORF Name 24431425f336		<u>AAID</u> 7187	Length		Score	Probability	
			Length	Length	-		
2443.1425f336			Length	Length	78 S Name	0.0054	
Protein name Description	1965	7187	Length	Length Locus gp:MGU	78 S Name 34967	0.0054 <u>Acc#</u>	
24431425_f3_36 Protein name	1965	7187	Length	Length Locus gp:MGU	78 S Name 34967	0.0054 <u>Acc#</u>	
Protein name Description	1965	7187	Length	Length Locus gp:MGU	78 S Name 34967	0.0054 <u>Acc#</u>	
Protein name Description Mycoplasma genita	1965 Ilium repeti	7187	Length 82 ence elen NT Length	Length Locus gp:MGU	78 S Name 34967	0.0054 <u>Acc#</u> U34967	
Protein name Description Mycoplasma genita ORF Name	1965 Ilium repeti	7187 tive sequ	Length 82 ence elen NT Length	Length Locus gp:MGU	78 S Name 34967 -r4. Score	0.0054 Acc# U34967 Probability	
Protein name Description Mycoplasma genita ORF Name	1965 NTID 1966	7187 tive sequ	Length 82 ence elen NT Length	Length Locus gp:MGU	78 S Name 34967 -r4. Score 100 S Name	0.0054 Acc# U34967 Probability 2.2e-05	

			NT	AA T b	Score	Probability
ORF Name	NTID	AAID	Length	Length	17.45	1.6e-73
24645176_£3_41	1967	7189	427	.284	743	
Protein name				Locus	s Name	Acc#
probable oxidoredu	ıctase			gp:SCF	11	AL132662
Description						
Streptomyces coel	icolor cosm	id F11.				
			NT	<u>AA</u>	Score	Probability
ORF Name	NTID	AAID	<u>Length</u>	Length		
24648437_f2_20	1968	7190	171	516		
Protein name				Locu	s Name	Acc#
Description						1.5
NO-HIT	o .					
			NT	AA	Caoro	Probability
ORF Name	NTID	AAID	Length	Length	Score	Probability
26595836f16	1969	7191	147	144	292	1.0e-25
Protein name				Locu	s Name	Acc#
dCMP deaminase ho	molog		ή	pir:C6	9470	C69470
Description						
			NT	AA		M
ORF Name	NTID	AAID	Length	<u>Length</u>	Score	Probability
3009632 <u></u> £2 <u></u> 16	1970	7192	675	2028		
Protein name				Locu	s Name	Acc#
Description						
NO-HIT						
			NT	AA		
ORF Name	NTID	AAID	<u>Length</u>	<u>Length</u>	Score	Probability
34175162 <u></u> £1 <u></u> 7	1971	7193	184	555	331	7.4e-30
Protein name		<u>-</u>		Loci	ıs Name	Acc#
conserved hypothe	tical prote	in aq 173	31	pir:C	70449	C70449
Description						

	•	3.TII 3.3	
ORF Name	NTID AAID	NT AA Score	Probability
34407937_£3_35	1972 7194	494 1485 538	8.6e-52
Protein name		Locus Name	Acc#
carboxyl-terminal	proteinase	pir:F70369	F70369
Description			
		NT AA	
ORF Name	NTID AAID	Length Length Score	Probability
3.6.3.2.8.3.8.7c25.8	1973 7195	609 1830	
Protein name		Locus Name	Acc#
Description			
NO-HIT			
ORF Name	NTID AAID	NT AA Score	Probability
363.70312 <u></u> c2 <u></u> 7.5	1974 7196	148 447 405	1.1e-37
Protein name		Locus Name	Acc#
		sp:MSCL_ECOLI	P23867
Description			
LARGE-CONDUCTANCE	MECHANOSENSITIVE CHA	ANNEL	,
		NT AA _	
ORF Name	NTID AAID	Length Length Score	Probability
6538962_c1_49	1975 7197	138 417	
Protein name		Locus Name	Acc#
Description			
NO-HIT			: x

ORF Name NTID AAID Length Length	Y
782642_c2_77 1976 7198 66 201	
Protein name Locus Name Acc#	
Description	
NO-HIT	
NT AA	
ORF Name NTID AAID Length Length Score Probabilit	Y
16659411t2191977	
Protein name Locus Name Acc#	
hypothetical protein pir:JQ1020 JQ1020)
Description	
	Y
2741687 <u></u> cl28	
Protein name Locus Name Acc#	
conserved hypothetical protein MTH83 pir:F69210 F69210)
Description	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Y
3942136 <u></u> c3 <u></u> 38	
Protein name Locus Name Acc#	
threonyl-tRNA synthetase pir:B75317 B75317	*
Description	
ORF Name NTID AAID Length Length Score Probability	Y
47.11.562 <u>18</u>	
Protein name Locus Name Acc#	
Description	
NO-HIT	

ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
7032800_c1_30	1981	7203	116	348	262	1.5e-22
Protein name				Locus	Name	Acc#
				sp:IF3_	HAEIN	P43814
Description						
TRANSLATION INITIAT	ION FACTO	R IF-3	7			
				7.7		
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
10741260_c2_21	1982	7204	74	225	110	1.9e-06
Protein name				Locus	Name	Acc#
				sp:RL29	BACST	P04457
Description						
50S RIBOSOMAL PROTE	IN L29	-				
				7.7	<u>.</u>	
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
ORF Name 1204063_c3_23	<u>NTID</u>	<u>AAID</u> 7205	<u>Length</u>		Score	Probability
			<u>Length</u>	Length		
1204063c323			<u>Length</u>	Length 441 Locus	461	1.2e-43
1204063c323			<u>Length</u>	Length 441 Locus	461 s Name	1.2e-43 <u>Acc#</u>
Protein name	1983		<u>Length</u>	Length 441 Locus	461 s Name	1.2e-43 <u>Acc#</u>
Protein name Description	1983		Length	Length 441 Locus sp:RL16	461 s Name	1.2e-43 Acc# P73313
Protein name Description	1983		<u>Length</u>	Length 441 Locus	461 s Name	1.2e-43 <u>Acc#</u>
Protein name Description 50S RIBOSOMAL PROTE	1983 EIN L16 NTID	7205	Length 146	Length Locus sp:RL16	461 S Name S_SYNY3	1.2e-43 Acc# P73313
Protein name Description 50S RIBOSOMAL PROTE	1983 EIN L16 NTID	7205 AAID	Length 146 NT Length	Length Locus Sp:RL16 AA Length	461 S Name S_SYNY3 Score	1.2e-43 Acc# P73313 Probability
Protein name Description 50S RIBOSOMAL PROTE ORF Name	1983 EIN L16 NTID	7205 AAID	Length 146 NT Length	Length Locus Sp:RL16 AA Length	Score 639 S Name	1.2e-43 Acc# P73313 Probability 1.7e-62
Protein name Description 50S RIBOSOMAL PROTE ORF Name	1983 EIN L16 NTID 1984	AAID 7206	Length NT Length 244	Length Locus Sp:RL16 AA Length 735 Locus Gp:AB0	461 S Name S_SYNY3 Score 639 S Name 17508	1.2e-43 Acc# P73313 Probability 1.7e-62 Acc# AB017508

			3.777	71.71		
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
26600312_c1_14	1985	7207	210	533	486	2.8e-46
Protein name				Locus	s Name	Acc#
				sp:RL4_	BACST	P28601
Description						
50S RIBOSOMAL PRO	OTEIN L4					
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
31525257_c3_22	1986	7208	90	273	326	2.5e-29
Protein name				Locus	s Name	Acc#
ribosomal proteir	1 S19			pir:H7	2249	
Description						
						*
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
4688811 <u></u> c1 <u></u> 15	1987	7209	279	840	853	3.6e-85
Protein name				Locu	s Name	Acc#
				gp:AB0	17508	AB017508
Description						
Bacillus halodura	ans C-125 ge	enomic DNA	., 32 kb :	fragment	, comple	tecds.
			3.700	7) 7)		<u></u> .
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
4978427 <u></u> .c2 <u>.</u> .19	1988	7210	97	294	173	4.1e-13
Protein name				Locu	s Name	Acc#
				sp:RL2	3_SYNY3	P73318
Description				•		
50S RIBOSOMAL PR	OTEIN L23		-		1	*

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ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
5976007_£3_12	1989	7211	64 1	.95			
Protein name				Locus	Name	Acc#	
Description							
NO-HIT				······································			
			NT	AA		Dll11-1	
ORF Name	NTID	AAID	Length	Length	Score	Probability	
659702 <u>c1</u> 18	1990	7212	89	270	278	3.1e-24	
Protein name				Locus	<u>Name</u>	Acc#	
ribosomal protein	S17			pir:C72	2249		
Description							
			NT	7\ 7\	<u></u>		
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
ORF Name 6829637_c2_20		<u>AAID</u> 7213	Length		Score	Probability	
			Length	Length		- 1	
6829637 <u></u> .c2 <u></u> 20			Length	Length 132 Locus	231	2.9e-19	
6829637 <u></u> .c2 <u></u> 20			Length	Length 132 Locus	231 s Name	2.9e-19 <u>Acc#</u>	
6829637c2_20	[1991		Length	Length 132 Locus	231 s Name	2.9e-19 <u>Acc#</u>	
Protein name Description	[1991		Length	Length 132 Locus	231 S Name 2 ECOLI	2.9e-19 <u>Acc#</u> P02423	
Protein name Description	[1991		Length	Length Locus Sp:RL2	231 s Name	2.9e-19 <u>Acc#</u>	
Protein name Description 50S RIBOSOMAL PRO	1991 OTEIN L22 NTID	7213	Length 143 NT Length	Length Locus Sp:RL2	231 S Name 2 ECOLI	2.9e-19 <u>Acc#</u> P02423	
Protein name Description 50S RIBOSOMAL PRO	1991 OTEIN L22 NTID	7213 AAID	Length 143 NT Length	Length Locus Sp:RL22 AA Length	231 S Name 2 ECOLI	2.9e-19 <u>Acc#</u> P02423	
Protein name Description 50S RIBOSOMAL PRO ORF Name	1991 OTEIN L22 NTID	7213 AAID	Length 143 NT Length	Length Locus Sp:RL22 AA Length	231 S Name 2_ECOLI Score	2.9e-19 Acc# P02423 Probability	

ORF Name	NTID A	AID I	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
12284405 f1_1		5 4	00 1	203	279	7.7e-23
Protein name				Locus	Name	Acc#
Procedurations				sp:RFB		P26400
Description						
PUTATIVE O-ANTIGE	N TRANSPORTER					
101111111				7.7		
ORF Name	NTID A	AID I	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
1251537_c2_67	1994 721	.6	51 1	86	81	0.014
Protein name				Locus	s Name	Acc#
				gp:CEY	39C12A	AL132859
Description				<u> </u>	:	
Caenorhabditis el	egans cosmid Y3	9C12A,	complet	e sequer	nce.	200
			NT	AA		Dechahilitu
ORF Name	NTID I				Score	Probability
ORF Name 1366500f1_3		AAID I	<u>NT</u> Length	AA		Probability 9.7e-09
		AAID I	<u>NT</u> Length	AA Length	Score	
1366500 <u></u> f1 <u></u> 3	1995 721	AAID I	<u>NT</u> Length	AA Length	Score 158 Name	9.7e-09
1366500_f1_3 Protein name	1995 721	AAID I	<u>NT</u> Length	AA Length 152 Locus	Score 158 Name	9.7e-09 <u>Acc#</u>
1366500_fl_3 Protein name hypothetical prot	1995 721	AAID I	NT Length	AA Length 152 Locus	Score 158 Name	9.7e-09 Acc# S22619
1366500_fl_3 Protein name hypothetical prot	in 17.9	AAID I	<u>NT</u> Length	AA Length 152 Locus	Score 158 Name	9.7e-09 <u>Acc#</u>
Protein name hypothetical prot Description	ein 17.9	AAID	NT Length 383 [1 NT Length	AA Length Locus pir:S2	Score 158 S Name 2619	9.7e-09 Acc# S22619
Protein name hypothetical prot Description ORF Name	ein 17.9	AAID	NT Length 383 [1 NT Length	AA Length Locus pir:S2	Score 158 S Name 2619 Score	9.7e-09 <u>Acc#</u> S22619 Probability
Protein name hypothetical prot Description ORF Name	in 17.9 ein 17.9 NTID 1996 721	AAID	NT Length 383 [1 NT Length	AA Length Locus pir:S2	Score 158 S Name 2619 Score 142 S Name	9.7e-09 Acc# S22619 Probability 1.1e-06
Protein name hypothetical prot Description ORF Name 13710902_f3_32	in 17.9 ein 17.9 NTID 1996 721	AAID	NT Length 383 [1 NT Length	AA Length Locus Pir:S2 AA Length Locus Locus Locus	Score 158 S Name 2619 Score 142 S Name	9.7e-09 Acc# S22619 Probability 1.1e-06 Acc#

	NT AA Score Probability
ORF Name	NTID AAID Length Length
14882818_c2_76	1997 7219 93 282 165 2.9e-12
Protein name	Locus Name Acc#
	sp:DBH_BACST
Description	
DNA-BINDING PROTE	EIN II (HB) (HU)
	NT AA Grana Drobability
ORF Name	NTID AAID Length Length Score Probability
15822135_f3_31	1998 7220 309 930 241 2.5e-20
Protein name	Locus Name Acc#
	sp:Y868_HAEIN
Description	
PUTATIVE GLYCOSY	L TRANSFERASE HI0868,
	NTD 7.7
ORF Name	NT AA Score Probability NTID AAID Length Length
161592 <u> £3 </u> 30	1999 7221 321 966 194 3.1e-13
Protein name	Locus Name Acc#
WbcD	gp:YEU46859
Description	
Yersinia enteroc	olitica lipopolysaccharide O-side chainbiosynthesis genes.
	NITT 7/7
ORF Name	$rac{ ext{NT}}{ ext{NTID}}$ $rac{ ext{AA}}{ ext{AAID}}$ $rac{ ext{Length}}{ ext{Length}}$ $rac{ ext{Score}}{ ext{Core}}$ $rac{ ext{Probability}}{ ext{Probability}}$
19697126 <u></u> £3 <u></u> 37	2000 7222 316 951 1366 1.6e-139
Protein name	Locus Name Acc#
putative UDP-Glc	NAc:undecaprenylphosphate gp:AF048749 AF048749
Description	· · · · · · · · · · · · · · · · · · ·
1	ilis capsular polysaccharide biosynthesis operon, complete
sequence.	

ORF Name	NTID 2	AAID I	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
1989077_f3_36	2001 722	23 3	9	63	809	2.4e-147
Protein name				Locus	Name	Acc#
UDP-glucose-4-epime	rase/dTDP-gli	ıcose-4,	6	gp:AF04	.8749	AF048749
Description						
Bacteroides fragili sequence.	s capsular po	olysacch	aride b	iosynthe	sis oper	on, complete
			NTTT	73.73		
ORF Name	NTID	AAID I	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
20350437_f2_15	2002 72:	24 2	253 7	62	362	3.8e-33
Protein name				Locus	Name	Acc#
unknown				gp:AF07	78135	AF078135
Description						
Leptospira borgpete complete sequence.	rsenii lipop	olysacch	aride o	-antiger	n biosynt	theticlocus,
			NTITI	2 2		· · · · · · · · · · · · · · · · · · ·
ORF Name	NTID	AAID]	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
21879191 <u></u> £340	2003 72	25	239 7	20	129	2.6e-06
Protein name				Locus	Name	Acc#
lipopeptide antibio protein:protein slr			hesis	pir:S74	1408	S74408
Description						
ORF Name	NTID	AAID :	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
223.04007 <u></u> f2 <u></u> 29	2004 72	26	404	.215		
Protein name	<u> </u>			Locus	s Name	Acc#
Description						
NO-HIT						

			NT	AA		Decade a la di I di Assa
ORF Name	NTID	AAID	Length	Length	Score	Probability
23945251_f1_11	2005	7227	453 1	362	542	3.2e-52
Protein name				Locus	s Name	Acc#
hemolysin-related p	protein			pir:F7	2326	F72326
Description						
			NT	AA		
ORF Name	NTID	AAID	Length	<u>Length</u>	Score	Probability
24410751 <u></u> .a2 <u></u> 85	. 2006	7228	64	L95	r	
Protein name				Locu	s Name	Acc#
Description						
NO-HIT						
		· · · · · · · · · · · · · · · · · · ·	NT	AA		
ORF Name	NTID	AAID	<u>Length</u>	<u>Length</u>	Score	Probability
24426550 <u></u> £1 <u></u> 8	2007	7229	370	1113	594	1.0e-57
Protein name				Locu	s Name	Acc#
A/G-specific adeni	ne glycosy	lase homo	log yfhQ	pir:A6	9802	A69802
Description	-					
				-		
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
24813137 <u></u> .±1 <u></u> 10	2008	7230	156	471	331	7.4e-30
Protein name				Locu	s Name	Acc#
single stranded DN	A-binding	protein		gp:SHU	64098	U64098
Description						
Shewanella hanedai	. single st	randed DN	A-bindin	g protei	n (ssb)	gene, complete
cds.						

		$\underline{ ext{NT}}$	AA . Score	Probability
ORF Name	NTID AAI	<u>Length</u>	Length Source	
2537767_c2_88	2009 7231	105 3	15 76	0.0077
Protein name			Locus Name	Acc#
host shut off vir	ion protein		gp:CHDNACSO	X89471
Description				
Canine herpesviru	s DNA for capsid	and host shu	t off virion p	roteingenes.
		NT	AA Score	Probability
ORF Name	NTID AA	ID Length	<u>Length</u>	
26303426_c3_102	2010 7232	77 2	34	
Protein name			Locus Name	Acc#
Description				
NO-HIT				
		NE	7.7	
ORF Name	NTID AA	<u>NT</u> ID Length	AA Score	Probability
263.76260 <u></u> t2 <u></u> 26	2011 7233	781 2	346	
Protein name			Locus Name	Acc#
Description				
NO-HIT			*	
ORF Name	NTID AA	<u>NT</u> ID <u>Length</u>	AA Score	Probability
3.26.3.7 <u></u> £3 <u></u> 3.5	2012 7234	262 7	89 249	3.6e-21
Protein name		4	Locus Name	Acc#
rhamnosyl transferase gp:AF097519 AF097519				
Description			9	* *
Klebsiella pneumoniae dTDP-D-glucose 4,6 dehydratase (rmlB),glucose-1-phosphate thymidylyl transferase (rmlA),dTDP-4-keto-L-rhamnose reductase (rmlD),dTDP-4-keto-6-deoxy-D-glucose 3,5-epimerase (rmlC), and rhamnosyltransferase (wbbL) genes, complete cds.				

ODE Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
ORF Name				33	172	5.2e-13
34101512_c2_68	2013	235				
Protein name					Name	Acc#
conserved hypothe	tical protein			pir:G7	347	G75347
Description						
ODE Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
ORF Name				957	79	0.023
4023377 <u>±1</u> 2	2014	7236	318			
Protein name					s Name	Acc#
ribosomal protein	: S10			gp:U17	009	U17009
Description						
Phytophthora inte	stans mitocho	ondrion,	complete	e genome		
			NT	AA	Casas	Probability
ORF Name	NTID	AAID	Length	Length	Score	Probability
4719137 <u></u> c1 <u></u> 65	2015	7237	61	L86		
Protein name				Locu	s Name	Acc#
Doggription						
Description						
NO-HIT		ii.				
			NT	AA	Saore	Probability
	NTID	AAID	NT Length	AA Length	Score	Probability
NO-HIT		AAID 7238	<u>Length</u>		Score 348	Probability
NO-HIT ORF Name			<u>Length</u>	Length 765		* *
NO-HIT ORF Name 4728313f216	2016	7238	<u>Length</u>	Length 765	348 s Name	1.2e-31
ORF Name 4728313_f2_16 Protein name	2016	7238	Length	Length 765 Locu gp:AF0	348 s Name 48749	1.2e-31 Acc# AF048749

			$\underline{ ext{NT}}$	AA	Score	Probability	
ORF Name	NTID	AAID	Length	<u>Length</u>	<u>30016</u>	FIODADITICY	
4875677_f1_9	2017	7239	526	.581	297	1.2e-45	
Protein name				Locus	Name	Acc#	
				sp:STS_	MAMUH	P08842	
Description							
SULFATE SULFOH	YDROLASE) (ARY	LSULFATAS	e C) (ASC	C)			
			NT	AA	G	Dechabilites	
ORF Name	NTID	AAID	Length	Length	Score	Probability	
5273377_f3_33	2018	7240	299	900			
Protein name				Locus	s Name	Acc#	
Description							
NO-HIT							
	<u></u>		NT	ΔΔ			
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
ORF Name 5.28.7.5.0.7		<u>AAID</u> 7241	Length		Score	Probability	
			Length	Length	Score S Name	Probability Acc#	
528.750.7 <u></u> £1 <u></u> 13			Length	Length	10 4		
5287507t113 Protein name			Length	Length	10 4		
5287507t113 Protein name Description			Length [291]	Length 376 Locus	10 4		
Protein name Description NO-HIT			Length	Length	10 4		
5287507t113 Protein name Description		7241	Length 291 NT Length	Length Locus	s Name	Acc#	
Protein name Description NO-HIT ORF Name		7241 AAID	Length 291 NT Length	Length Locus AA Length	S Name	Acc# Probability	
Protein name Description NO-HIT ORF Name 582628_c3_92	NTID 2020	7241 AAID	Length 291 NT Length	Length Locus AA Length	Score 118 S Name	Acc# Probability 2.8e-07	
Protein name Description NO-HIT ORF Name 582628_c3_92 Protein name	NTID 2020	7241 AAID	Length 291 NT Length	Length Locus AA Length Locus Locus	Score 118 S Name	Acc# Probability 2.8e-07 Acc#	

	NT AA Grand Broke	
ORF Name	NTID AAID Length Length	bility
6015692_f3_45	2021 7243 68 207 86 0.0	0011
Protein name	Locus Name	Acc#
cryptogene prot	tein G4 pir:S51910 S	351910
Description		
	NT AA C	
ORF Name	NTID AAID Length Length Score Proba	bility
7240938 <u>c1</u> 63		e-76
Protein name	Locus Name	Acc#
	sp:CAFA_HAEIN	245175
Description		
CYTOPLASMIC AX	IAL FILAMENT PROTEIN	
ORF Name	NTID AAID Length Length Score Proba	bility
9954652£334	2023 7245 207 624 424 1.0	e-39
Protein name	Locus Name	Acc#
	sp:WBBJ_ECOLI	
Description		
(EC 2.3.1)		
ORF Name	NTI AA Score Proba	ability
10558252 <u></u> £2 <u></u> 8	2024 7246 335 1008 88 0.0	0017
Protein name	Locus Name	Acc#
transposase	gp:AF038866	AF038866
Description		
	agilis transposon Tn5520 transposase (bipH) andmobili: mpH) genes, complete cds.	zation

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ORF Name	NTID AAI	<u>NT</u> D <u>Length</u>	AA Length Score	Probability
12351376_f2_7	2025 7247	529 1	590 1357	1.4e-138
Protein name			Locus Name	Acc#
unknown			gp:AF125164	AF125164
Description				
Bacteroides fragi complete sequence;	Tis 638R polysaco and unknown gene	charide B (PS es.	B2) biosynthes	islocus,
ORF Name	NTID AA	<u>NT</u> ID Length	AA Length Score	Probability
16102032_£2_6	2026 7248	68 2	207	
Protein name	,		Locus Name	Acc#
Description				
NO-HIT				
		NT In Longth	AA Score	Probability
ORF Name	NTID AA	ID Length	Length Score	Probability
ORF Name 25962692c333		ID Length	Length Score	· ,
ORF Name		ID Length	Length Score	Probability Acc#
ORF Name 25962692c333		ID Length	Length Score	· ,
ORF Name 25962692_c3_33 Protein name		ID Length	Length Score	· ,
ORF Name 25962692_c3_33 Protein name Description		ID Length 104	Length Score	· ,
ORF Name 25962692_c3_33 Protein name Description NO-HIT	2027 7249	ID Length 104 NT ID Length	Length Score Locus Name AA Score	Acc#
ORF Name 25962692C333 Protein name Description NO-HIT ORF Name	2027 7249	ID Length 104 NT ID Length	Length Score Locus Name AA Length Score	Acc# Probability
ORF Name 25962692_c3_33 Protein name Description NO-HIT ORF Name 31770636_f2_4	2027 7249	ID Length 104 NT ID Length	Length Score Locus Name AA Length Score 918 95	Acc# Probability 0.013
ORF Name 25962692_c3_33 Protein name Description NO-HIT ORF Name 31.7.70636_f2_4 Protein name Description	2027 7249	ID Length 104 NT ID Length 305	Length Locus Name AA Length Score AB Length Locus Name D18 D5 Locus Name	Acc# Probability 0.013 Acc#

ORF Name	NTID	NT AAID Lengt	AA Score	Probability
7089527_f3_11 Protein name	2029 7	251 74	Locus Name	Acc#
Description				
NO-HIT				
ORF Name	NTID	NT AAID Lengt	AA h Length Score	Probability
196952_£3_10	2030 7	252 509	1530	
Protein name			Locus Name	Acc#
Description				
NO-HIT				.7
		NT	AA	
ORF Name	NTID	AAID Lengt	Score	Probability
203177 <u></u> £1 <u></u> 3	2031 7	253 362	1089	
Protein name			Locus Name	Acc#
Description				
NO-HIT				
ORF Name	NTID	<u>NT</u> AAID Lengt	<u>AA</u> h Length Score	Probability
23633438 <u></u> c3 <u></u> 38	2032 7	254 67	204	
Protein name			Locus Name	Acc#
Description				
NO-HIT				
		ИТ	AA	Decale alod 3 dition
ORF Name	NTID	AAID Lengt	Score	Probability
23635900 <u>_</u> t2 <u>_</u> 6	2033 7	255 344	1035	
Protein name			Locus Name	Acc#
Description				
NO-HIT	1			

			NT	AA	_	
ORF Name	NTID	AAID	Length	Length	Score	Probability
24649063_f1_2	2034	7256	345	L038		
Protein name				Locus	Name	Acc#
Description						
NO-HIT						7
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
35632826 <u></u> £2 <u></u> 7	2035	7257	227	584		
Protein name				Locus	Name	Acc#
Description						10
NO-HIT						-
			2.700	7.7		
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
45317951 <u></u> £2 <u></u> 5	2036	7258	646	1941	233	4.5e-18
Protein name				Locus	Name	Acc#
receptor antigen (R	agA)			gp:PGI1	130872	AJ130872
Description						
Porphyromonas gingi immunodominant 55kDa		receptor	antigen	(rag) lo	cus enco	odinga major
Immariodominario 337154				-		
			NT	AA		
ORF Name	NTID	AAID	<u>Length</u>	<u>Length</u>	Score	Probability
7275081f11	2037	7259	246	741	157	4.8e-16
Protein name				Locus	Name	Acc#
115K outer membrane protein	protein	precursor:	SusC	pir:JC6	5027	JC6027
Description						

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		NT AA Score Probability
ORF Name	NTID AAID	Length Length
10552188_c3_304	2038 7260	170 513 158 5.9e-14
Protein name		Locus Name Acc#
glucosaminefruc aminotransferase F		pir:F75212 F75212
	ABZZUI	
Description		
ORF Name	NTID AAID	NT AA Score Probability Length Length
10735812 <u></u> £1 <u>.</u> 17	2039 7261	112 339 154 4.4e-10
Protein name		Locus Name Acc#
		sp:ASNB_ECOLI P22106
Description		
]'		
,		NT AA Turkahilitus
ORF Name	NTID AAID	NT AA Score Probability
ORF Name 10744013_c1_192		Score Probability
		Length Length Score Flobability
10744013 <u></u> c1 <u>.</u> .192	2040 7262	Length Length Score Flobability 189 570 114 3.0e-05
10744013_c1_192 Protein name	2040 7262	Length Length Score Propability 189 570 114 3.0e-05 Locus Name Acc#
Protein name hypothetical protein	2040 7262	Length Length Score Frobability 189 570 114 3.0e-05 Locus Name Acc# pir:F70558 F70558
Protein name hypothetical protein	2040 7262	Length Length Score Propability 189 570 114 3.0e-05 Locus Name Acc#
Protein name hypothetical prot Description	2040 7262 Tein Rv1624c NTID AAID	Length Length Score Frobability 189 570 114 3.0e-05 Locus Name Acc# pir:F70558 F70558
Protein name hypothetical prot Description ORF Name	2040 7262 Tein Rv1624c NTID AAID	Length Length Score Frobability 189 570 114 3.0e-05 Locus Name Acc# pir:F70558 F70558 NT AA Score Probability Length Length
Protein name hypothetical prot Description ORF Name 10991288t136	2040 7262 Tein Rv1624c NTID AAID	Length Length Score Frobability 189 570 114 3.0e-05 Locus Name Acc# pir:F70558 F70558 NT Length Length Length Score Probability 1.3e-25
Protein name hypothetical prot Description ORF Name 10991288t136	2040 7262 Tein Rv1624c NTID AAID	Length Length Score Frobability 189 570 114 3.0e-05 Locus Name Acc# pir:F70558 F70558 NT Length Length Length Score Probability 220 663 291 1.3e-25 Locus Name Acc#
Protein name hypothetical protein Description ORF Name 10991288_t1_36 Protein name	2040 7262 Tein Rv1624c NTID AAID	Length Length Score Frobability 189 570 114 3.0e-05 Locus Name Acc# pir:F70558 F70558 NT Length Length Score Probability 220 663 291 1.3e-25 Locus Name Acc# sp:TRPF_THEMA Q56320

			$\underline{ ext{NT}}$	\underline{AA}	Score	Probability
ORF Name	NTID	AAID	<u>Length</u>	Length	BCOLO	
11879400_c2_208	2042	7264	774	325	243	6.9e-17
Protein name				Locus	Name	Acc#
				sp:CIRA	A_ECOLI	P17315
Description						
COLICIN I RECEPTOR	PRECURSOR				0	
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
12125931_f3_144	2043	7265	214	45	220	4.3e-18
Protein name				Locus	s Name	Acc#
2,3,4,5-tetrahydrop N-succinyltransferas			ite	pir:H72	2245	H72245
Description			,			
			NT	AA		
ORF Name	NTID	AAID	<u>Length</u>	Length	Score	Probability
12213186 <u></u> £3 <u></u> 148	2044	7266	210	33	336	2.2e-30
Protein name				Locus	s Name	Acc#
flavodoxin	100 E			pir:H7	1850	Н71850
Description						
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
1228787 <u>f3</u> 136	2045	7267	486	L461	718	7.2e-71
Protein name				Locus	s Name	Acc#
anthranilate syntha	se, compo	nent I		pir:D7	2414	
Description						**

ORF Name	NTID	AAID	<u>NT</u> Length	AA Length	Score	Probability	
12988762_f3_145	2046	7268	69 2	10	82	0.026	7
Protein name				Locus	Name	Acc#	_
				sp:NU5N	_PETMA	Q35543	
Description				<u> </u>			
NADH-UBIQUINONE OX	(IDOREDUCTAS	E CHAIN S	, ·				
			NT	AA	Score	Probability	
ORF Name	NTID	AAID	Length	<u>Length</u>	BCOLE	FICHADITICY	
14336463_c2_209	2047	7269	340 1	.023	332	6.1e-45	
Protein name				Locus	s Name	Acc#	
hypothetical prote	ein ,			pir:D72	2115	D72115	
Description							
			NT	AA			
ORF Name	NTID	AAID	Length	Length	Score	Probability	
14354642 <u></u> f1 <u></u> 8	2048	7270	449 1	L350			
Protein name	6-			Locus	s Name	Acc#	
Description							
NO-HIT		X.					
			NIII	7.7			
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
14632808 <u></u> ±3 <u></u> 142	2049	7271	813	2442			
Protein name				Locu	s Name	Acc#	
Description							
NO-HIT				0			
			NE	7. 7.			
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
14726593 <u></u> £1 <u></u> 24	2050	7272	101	306	163	2.7e-11	
Protein name				Locu	s Name	Acc#	
hypothetical prot	ein			pir:S7	6639	S76639	
Description						*	

ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
15656537_c3_309	2051	7273	446	L341	133	1.3e-05
Protein name				Locus	s Name	Acc#
hypothetical prote:	in aq_1059			pir:C70	0391	C70391
Description						¥
			NTITI	73. 73		-
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
16832885 <u></u> c3 <u></u> 293	. 2052	7274	431	1296	1723	2.3e-177
Protein name				Locus	s Name	Acc#
hypothetical prote	in			pir:JQ	1020	JQ1020
Description						
			NT	AA		
ORF Name	NTID	AAID	<u>Length</u>	<u>Length</u>	Score	Probability
182832 <u>c1</u> 203	. 2053	7275	384	1155	1034	2.4e-104
Protein name				Locu	s Name	Acc#
carbamoyl phosphat	e syntheta	se III		gp:FR2	4G11	Z93780
Description						-
Fugu rubripes gene	s encoding	carbamoy	l phosph	ate synt	hetase I	II, myosin
light chain, MAP2.						š.
	NTTTT	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
ORF Name	NTID			696	460	1.6e-43
19578255 <u></u> £2 <u></u> 87	2054	7276	231			
Protein name					s Name	Acc#
				sp:TRP	G_THEMA	Q08654
Description						

ORF Name	NTID AAID	NT AA Score	Probability
			0.035
1964390_f2_83	2055 7277	97 294 83	0.033
Protein name		Locus Name	Acc#
hypothetical prot	ein HelE	pir:T08605	T08605
Description			
		NT AA .	
ORF Name	NTID AAID	NT AA Score	Probability
19955328t3123	2056 7278	498 1497	
Protein name		Locus Name	Acc#
Description			
NO-HIT			
		NT AA Score	Probability
ORF Name	NTID AAID	Length Length	
2111262t137	2057 7279	362 1089 736	8.9e-73
Protein name		Locus Name	Acc#
		sp:ASG1_ECOLI	P18840
Description		1	*
(L-ASNASE I)			
		NITT 7.7	
ORF Name	NTID AAID	NT AA Score	Probability
2131327f140	2058 7280	386 1161 198	3.4e-32
Protein name		Locus Name	Acc#
Cps9F	*	gp:AF155805	AF155805
Description		-	
	s9F), and Cps9G (cp	(cps9D) gene, partial cd s9G) genes, completecds;	

ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
22033141_c1_162	2059	7281	140	423		
Protein name				Locus	Name	Acc#
Description						
NO-HIT				-10		
			NT	7\7\		
ORF Name	NTID	AAID	Length	<u>AA</u> Length	Score	Probability
22270175 <u></u> £1 <u></u> 21	2060	7282	300	903	186	1.8e-11
Protein name				Locus	Name	Acc#
receptor antigen (R	agA)			gp:PGI1	30872	AJ130872
Description						
Porphyromonas gingi immunodominant 55kDa		receptor	antigen	(rag) lo	cus enco	odinga major
			NT	AA		
ORF Name	NTID	AAID	<u>NT</u> Length	AA Length	Score	Probability
ORF Name 22304531t131	NTID 2061	<u>AAID</u> 7283	Length		Score	Probability 7.5e-124
		-	Length	Length	-	
22304531 <u></u> £1 <u></u> 31		-	Length	Length	1218 Name	7.5e-124
22304531 <u></u> £1 <u></u> 31		-	Length	Length 1206 Locus	1218 Name	7.5e-124 <u>Acc#</u>
22304531f131 Protein name	2061	7283	Length	Length 1206 Locus	1218 Name	7.5e-124 <u>Acc#</u>
Protein name Description	2061	7283	Length 401	Length 1206 Locus sp:TRPF	1218 Name THEMA	7.5e-124 <u>Acc#</u> P50909
Protein name Description	2061	7283	Length	Length 1206 Locus	1218 Name	7.5e-124 <u>Acc#</u>
Protein name Description TRYPTOPHAN SYNTHASE	2061 BETA CHA	7283 IN,	Length 401 NT Length	Length Locus Sp:TRPF	1218 Name THEMA	7.5e-124 <u>Acc#</u> P50909
Protein name Description TRYPTOPHAN SYNTHASE ORF Name	BETA CHA	7283 IN, AAID	Length 401 NT Length	Length Locus Sp:TRPF AA Length	1218 Name THEMA	7.5e-124 <u>Acc#</u> P50909
Protein name Description TRYPTOPHAN SYNTHASE ORF Name	BETA CHA	7283 IN, AAID	Length 401 NT Length	Length Locus Sp:TRPF AA Length	1218 S Name B THEMA Score	7.5e-124 <u>Acc#</u> P50909 Probability

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ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
22860128_c1_190	2063	7285	83 2	252	64	0.031	
Protein name					Name	Acc#	
				sp:SPR0	_XENLA	P36378	
Description							
(OSTEONECTIN) (ON)	(BASEMENT	MEMBRANE	PROTEIN	BM-40)			
			NT	AA			
ORF Name	NTID	AAID	<u>Length</u>	<u>Length</u>	Score	Probability	
23600812_c1_169	2064	7286	104	315			
Protein name				Locus	s Name	Acc#	
Description							•
NO-HIT							
			NT	AA	0.0000	Dwohahility	
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
ORF Name 23650256c3289		AAID 7287	Length		Score 971	1.1e-97	
			Length	Length			
23650256 <u></u> c3. <u>.</u> 289			Length	Length 1149 Locu	971	1.1e-97	
Protein name Description	2065	7287	Length	Length 1149 Locu sp:YQH	971 s Name D_ECOLI	1.1e-97 <u>Acc#</u>	
23650256 <u></u> c3 <u></u> 289 Protein name	2065	7287	Length	Length 1149 Locu sp:YQH	971 s Name D_ECOLI	1.1e-97 <u>Acc#</u>	
Protein name Description	2065	7287	Length	Length 1149 Locu sp:YQH	971 s Name D_ECOLI EGION	1.1e-97 Acc# Q46856	
Protein name Description	2065	7287	Length 382 SUFI INTE NT Length	Length Locu Sp:YQH RGENIC R AA Length	971 s Name D_ECOLI EGION Score	1.1e-97 Acc# Q46856 Probability	
Protein name Description HYPOTHETICAL OXIDO	2065 REDUCTASE	7287	Length 382 SUFI INTE NT Length	Length Locu Sp:YQH RGENIC R AA Length	971 s Name D_ECOLI EGION Score	1.1e-97 Acc# Q46856 Probability 0.0	
Protein name Description HYPOTHETICAL OXIDO	2065 REDUCTASE	7287 IN METC-S	Length 382 SUFI INTE NT Length	Length Locu Sp:YQH RGENIC R AA Length	971 s Name D_ECOLI EGION Score	1.1e-97 Acc# Q46856 Probability	
Protein name Description HYPOTHETICAL OXIDO ORF Name 23851532c1204	2065 REDUCTASE	7287 IN METC-S	Length 382 SUFI INTE NT Length	Length Locu Sp:YQH RGENIC R AA Length 3255	971 s Name D_ECOLI EGION Score	1.1e-97 Acc# Q46856 Probability 0.0	

ORF Name	NTID AAID	NT AA Score Probability Length Length
24022162_f3_147	2067 7289	395 1188 1161 8.2e-118
Protein name		Locus Name Acc#
		sp:PU91_YEAST P54113
Description		
		NT AA Grana Drobabilita
ORF Name	NTID AAID	Length Length Score Probability
24026537 <u>f1</u> 23	. 2068 7290	313 942 962 1.0e-96
Protein name		Locus Name Acc#
aspartate aminotra	nsferase related pr	otein pir:E69168 E69168
Description		*
		NT AA Guara Duchahilita
ORF Name	NTID AAID	Length Length Score Probability
24081580 <u>f3</u> 121	. 2069 7291	505 1518 1698 1.0e-174
Protein name		Locus Name Acc#
		gp:AB025342 AB025342
Description		
		similar to eicosapentaenoicacid
synthesis gene clus	ter.	1
		NT AA Score Probability
ORF Name	NTID AAID	<u>Length Length</u> 1 284 1855 244 1.2e-20
24267843 <u></u> ±2 <u></u> 81	2070 7292	
Protein name		Locus Name Acc#
exopolyphosphatase		pir:E70376 E70376
Description		

			NT	AA	a	Deckahilites	
ORF Name	NTID	AAID	Length	<u>Length</u>	Score	Probability	
24317552_f3_143	2071	7293	331	996			
Protein name				Locus	Name	Acc#	
Description							
NO-HIT							
			277	77. 73			
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	<u>Probability</u>	
24429187 <u>_</u> £3 <u>_</u> 152	2072	7294	165	498	324	4.1e-29	
Protein name				Locus	Name	Acc#	
				sp:THIC	BORBU	051088	
Description							
THIOREDOXIN (TRX)			· · · · · · · · · · · · · · · · · · ·			en en	
							l
			NT	ΔΔ			
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
ORF Name 24486082f135		<u>AAID</u> 7295	Length		Score 436	Probability [5.5e-41	
			Length	Length		. 3	
24486082 <u>_f1</u> _35			Length	Length 846 Locus	436	5.5e-41	
24486082 <u>_f1</u> _35			Length	Length 846 Locus	436 Name	5.5e-41 <u>Acc#</u>	
24486082_f1_35 Protein name	2073	7295	Length	Length 846 Locus	436 Name	5.5e-41 <u>Acc#</u>	
Protein name Description	2073	7295	Length [281] (IGPS)	Length R46 Locus sp:TRP0	436 Name C_PSEPU	5.5e-41 <u>Acc#</u> P20578	
Protein name Description	2073	7295	Length	Length 846 Locus	436 Name	5.5e-41 <u>Acc#</u> P20578	
Protein name Description INDOLE-3-GLYCEROL	2073 PHOSPHATE	7295 SYNTHASE,	Length (IGPS) NT Length	Length Locus Sp:TRPC	436 Name C_PSEPU	5.5e-41 <u>Acc#</u> P20578	
Protein name Description INDOLE-3-GLYCEROL 1	2073 PHOSPHATE NTID	7295 SYNTHASE, AAID	Length (IGPS) NT Length	Length Locus Sp:TRPC AA Length	436 Name C_PSEPU	5.5e-41 <u>Acc#</u> P20578	
Protein name Description INDOLE-3-GLYCEROL 1 ORF Name 245927c1173	2073 PHOSPHATE NTID	7295 SYNTHASE, AAID	Length (IGPS) NT Length	Length Locus Sp:TRPC AA Length	436 S Name C PSEPU Score	5.5e-41 Acc# P20578 Probability	

			NT	AA Sc	ore P	robability	
ORF Name	NTID	AAID	Length	Length			
24641962_f3_140	2075	7297	265 7	98 407		6.5e-38	
Protein name				Locus Na	me	Acc#	
				sp:TRPA_ME	TVO] P14637	
Description							
TRYPTOPHAN SYNTHA	SE ALPHA CHA	IN,		7			
ORF Name	NTID	AAID	<u>NT</u> Length	AA Sc Length	ore <u>F</u>	robability	
24645650_c2_265	2076	7298	388	1167			
Protein name				Locus Na	ıme	Acc#	
Description							
NO-HIT				- 1	E _{res}		
			NT	ΔΔ		, i	
ORF Name	NTID	AAID	<u>NT</u> Length	AA Sc Length	ore I	Probability	
ORF Name 26820202f3131		<u>AAID</u> 7299	Length	SC	ore I		
			Length	Length Sc			
26820202 <u></u> .£3 <u></u> 131			Length	Length Sc		Probability	-
26820202 <u></u> £3 <u></u> 131 Protein name			Length	Length Sc		Probability	
Protein name Description			Length	Length Sc		Probability	
Protein name Description			Length	Length Locus Na	ame_	Probability	
Protein name Description NO-HIT	NTID	7299	Length 73 NT Length	Length Locus Na AA So	ame	Probability Acc#	
Protein name Description NO-HIT ORF Name	NTID	7299 AAID	Length 73 NT Length	Length Locus Na Locus Na Length AA Length	core 1	Probability Acc# Probability	
Protein name Description NO-HIT ORF Name	NTID 2078	AAID 7300	Length 73 NT Length	Length Locus Na Locus Na AA Length Sc AA Length 14	core I	Acc# Probability Probability 8.9e-09	

	3707 7 7 TD	<u>NT</u> <u>AA</u> Length Length	Score Probability
ORF Name	NTID AAID		151 1.2e-23
2914202_c3_305	2079 7301	1884	
Protein name		Locus	Name Acc#
		sp:PUR1	HAEIN P43854
Description			
PHOSPHORIBOSYLPY	OPHOSPHATE AMIDOTRAN	SFERASE) (ATASE)	(GPATASE)
		NT AA	
ORF Name	NTID AAID	Length Length	Score Probability
2926562_f2_99	2080 7302	352 1059	221 5.2e-18
Protein name		Locus	Name Acc#
subunit of the te	rminal oxidase with	unknown gp:AADC	XP24H Y08730
Description			
A.ambivalens dox	gene locus with dox	D and doxA genes.	
		NT AA	
ORF Name	NTID AAID	<u>NT</u> <u>AA</u> Length Length	Score Probability
ORF Name 2947687c2263			Score Probability 152 6.9e-11
		Length Length	
2947687 <u></u> c2263	2081 7303	Length Length	152 6.9e-11 Acc#
2947687_c2_263 Protein name	2081 7303	Length Length 119 360 Locus	152 6.9e-11 Acc#
Protein name probable thioredo	2081 7303	Length Length 119 360 Locus	152 6.9e-11 Acc#
Protein name probable thioredo Description	2081 7303	Length Length 119 360 Locus	152 6.9e-11 Acc#
Protein name probable thioredo Description ORF Name	2081 7303	Length Length 119 360 Locus pir:T08	152 6.9e-11 Name Acc#
Protein name Probable thioredo Description ORF Name 316.720.07f3130	2081 7303	Length Length 119 360 Locus pir:T08 NT AA Length Length 692 2079	152 6.9e-11 Name Acc# 2271 Score Probability
Protein name probable thioredo Description ORF Name 31672007_f3_130	NTID AAID 2082 7304	Length Length Locus Dir:T08 NT AA Length Length 692 2079 Locus	152 6.9e-11
Protein name probable thioredo Description ORF Name 316.720.07_f3_130 Protein name polyphosphate kir	NTID AAID 2082 7304	Length Length 119 360 Locus pir:T08 NT AA Length Length 692 2079	152 6.9e-11
Protein name Probable thioredo Description ORF Name 316.720.07f3130 Protein name polyphosphate kin Description	NTID AAID 2082 7304	Length Length Locus Dir:T08 NT AA Length Length 692 2079 Locus gp:AF08	152 6.9e-11
Protein name Probable thioredo Description ORF Name 316.720.07f3130 Protein name polyphosphate kin Description	2081 7303 NTID AAID 2082 7304 Dolyphosphate kinase	Length Length Locus Dir:T08 NT AA Length Length 692 2079 Locus gp:AF08	152 6.9e-11

			$\overline{\text{NT}}$	AA	Score	Probability
ORF Name	NTID	AAID	<u>Length</u>	Length		
31750887_c3_285	2083	7305	75	228	101	1.7e-05
Protein name				Locus	s Name	Acc#
hypothetical prot	ein APE2554			pir:C7	2489	C72489
Description						
			NT	AA		
ORF Name	NTID	AAID	Length	<u>Length</u>	Score	Probability
3.2440.650 <u></u> c2 <u></u> 243	2084	7306	547	L644	79	0.0024
Protein name				Locu	s Name	Acc#
				gp:CEL	B0454	AF025452
Description						(1)
Caenorhabditis el	egans cosmic	в ВО454.				× -
			NTI	7.7		
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
32458331 <u>f3</u> 137	2085	7307	342	1029	541	4.1e-52
Protein name		12.0	7	Locu	s Name	Acc#
				sp:TRP	D_METJA	Q57686
Description					#####	
ANTHRANILATE PHOS	PHORIBOSYLT	RANSFERAS	Ε,			100
6						
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
33398412 <u>c2</u> 266	2086	7308	151	453	109	4.1e-05
Protein name				Locu	s Name	Acc#
immunoreactive 36	kDa antiger	n PG14		gp:AF1	45798	AF145798
Description				J		
Porphyromonas gir complete cds.	ngivalis stra	ain W50 i	mmunorea	ctive 36	kDa ant	igenPG14 gene,

	אדער אדער	NT AA Score Probability	<u>7</u>
ORF Name	NTID AAID		
3376327_f3_106	2087 7309		
Protein name		Locus Name Acc#	
Description			
NO-HIT			
		NT AA Score Probability	J
ORF Name	NTID AAID	Length Length	L
34017302 <u>f3</u> 126	2088 7310	303 912 550 4.6e-53	
Protein name		Locus Name Acc#	
		sp:DAPF_SYNY3 P74667	
Description			
DIAMINOPIMELATE	EPIMERASE, (DAP EPIME	RASE)	
		A. Carrier and the second seco	
		NT 7.7	V
ORF Name	. NTID AAID		<u>Y</u>
	. NTID AAID	NT AA Score Probability	<u> </u>
ORF Name	. NTID AAID	NT AA Score Probability	Y
ORF Name 3.423.57.00f.3129	. NTID AAID	NT AA Score Probability Length Length	y
ORF Name 3.42357.00f3129 Protein name	. NTID AAID	NT AA Score Probability Length Length	Y
ORF Name 3.42357.00f3129 Protein name Description	. NTID AAID	NT AA Score Probability 60 183 Locus Name Acc#	
ORF Name 3.42357.00f3129 Protein name Description	. NTID AAID	NT AA Score Probability Length Length	
ORF Name 34235700_f3_129 Protein name Description NO-HIT	NTID AAID 2089 7311 NTID AAID	NT AA Score Probability Length Length Locus Name Acc# NT AA Score Probability	
ORF Name 34235700f3129 Protein name Description NO-HIT ORF Name	NTID AAID 2089 7311 NTID AAID	NT AA Score Probability 60 183 Locus Name Acc# NT AA Score Probability NT AA Score Probability	
ORF Name 34235700f3129 Protein name Description NO-HIT ORF Name 35345063f3161	NTID AAID 2089 7311 NTID AAID	NT AA Score Probability 60 183 Locus Name Acc# NT AA Score Probability Locus Name Decided Probability NT AA Score Probability 66 201	
ORF Name 3.42357.00f3129 Protein name Description NO-HIT ORF Name 3.5345.063f3161 Protein name	NTID AAID 2089 7311 NTID AAID	NT AA Score Probability 60 183 Locus Name Acc# NT AA Score Probability Locus Name Decided Probability NT AA Score Probability 66 201	

ORF Name	NTID AAID	NT AA Length Length	Score	Probability
35392907_£2_75	2091 7313	92 279	258	7.2e-22
Protein name		Locu	s Name	Acc#
aspartate aminotran	sferase related pr	otein pir:E6	9168	E69168
Description	,			_
		7.7		
ORF Name	NTID AAID	<u>NT</u> <u>AA</u> Length Length	Score	Probability
36136262 <u></u> c2 <u></u> 216	2092 7314	210 633	136	5.5e-12
Protein name		Locu	s Name	Acc#
probable response r	egulator	pir:T3	4675	T34675
Description				
		NTI 7.7	-	
ORF Name	NTID AAID	<u>NT</u> <u>AA</u> Length Length	Score 1	Probability
4082762 <u></u> c1 <u></u> 165	2093 7315	378 1137	474	5.2e-45
Protein name		Locu	s Name	Acc#
		sp:MAU	G_PARDE	Q51658
Description				
METHYLAMINE UTILIZA	TION PROTEIN MAUG	PRECURSOR		*
		NT AA		
ORF Name	NTID AAID	Length Length	Score	Probability
4379433_f1_39	2094 7316	143 432	203	5.7e-15
Protein name		Locu	s Name	Acc#
bZIP histidine kina	se	gp:PPU	Y18245	Y18245
Description			-	_
Pseudomonas putida todI, todH, todS, to		todC2, todB, to	dA, todD,t	odE, todG,

		7.77	
ORF Name	NTID AAID	NT AA Score	Probability
6057812_f1_43	2095 7317	134 405	
Protein name		Locus Name	Acc#
Description			
NO-HIT			
ORF Name	NTID AAID	<u>NT AA</u> Length Length Score	Probability
806512 <u></u> t15	2096 7318	321 966 194	1.2e-13
Protein name		Locus Name	Acc#
PobR protein		gp:PPU251792	AJ251792
Description			
protein.	a pook gene for Poo	R protein and pobA gene	Adorioi
		NT AA _	
ORF Name	NTID AAID	Length Length	Probability
11816716 <u></u> 3 <u></u> .86	2097 7319	78 237 119	2.8e-07
Protein name		Locus Name	Acc#
		gp:D90701	
Description			
Escherichia coli c	genomic DNA. (13.6	- 14.0 min).	
ORF Name	NTID AAID	<u>NT</u> <u>AA</u> Length Length	Probability
16051540 <u></u> c163		7 [122] [369	
Protein name			7 4
		Locus Name	Acc#
Description			
NO-HIT			

ORF Name	NTID	AAID	<u>NT</u> Length	AA Length	Score	Probability
20203951_c1_55	2099 73	21	90 2	73		
Protein name				Locus	Name	Acc#
Description						
NO-HIT						У
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
20895303_£1_11	2100 73	322	1045 3	138		
Protein name				Locus	Name	Acc#
Description						
NO-HIT						
			NT	AA		D1-1-27-24
ORF Name	NTID	AAID	Length	Length	Score	Probability
22687817 <u></u> c3100	2101 7:	323	126 3	81		** .
Protein name				Locus	Name	Acc#
Description						
1						* *
NO-HIT						
,			NT	AA		D. aladada
,	NTID	AAID	NT Length	AA Length	Score	Probability
NO-HIT		AAID 324	Length		Score 77	Probability
NO-HIT ORF Name			Length	Length 23	ŧ	
NO-HIT ORF Name 24335781t225			Length	Length 23	77 S Name	0.0064
NO-HIT ORF Name 24335781t225			Length	Length 23 Locus	77 S Name	0.0064 <u>Acc#</u>

ORF Name	NTID	AAID	<u>NT</u> Length	AA Length	Score	Probability
24727127_c3_102	2103	7325	155	168	243	2.1e-20
Protein name				Locus	Name	Acc#
putative oxygen-inc	lependent			gp:AF1	7642	AF157642
Description						
Desulfitobacterium oxygen-independentco Hrd22-1(hrd22-1) gen histidinekinase homo	oproporphyme, complet	rinogen I ce cds; a	II oxidas nd two-co	omponent	gene, p sensor	partial cds;
ODE W	NULTO	A A TD	NT	<u>AA</u> Length	Score	Probability
ORF Name	NTID	<u>AAID</u>	Length	255		
25494062_c3_99 Protein name	2104	7320	<u> </u>		s Name	Acc#
<u>Description</u>						
NO-HIT						
			NITT	7. 7.		
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
ORF Name 26594127f340	<u>NTID</u>	<u>AAID</u> 7327	Length		<u>Score</u> 2764	Probability 1.1e-287
			Length	Length		-
26594127 <u>f3</u> 40	2105		Length	Length	2764 S Name	1.1e-287
26594127 <u>f</u> 3_40 Protein name	2105		Length	Length 1611 Locus	2764 S Name	1.1e-287 <u>Acc#</u>
26594127_f3_40 Protein name mobilization prote:	2105 in C	7327	Length	Length Locus	2764 S Name 18243	1.1e-287 <u>Acc#</u> AF118243
Protein name mobilization protes Description	2105 in C	7327	Length	Length Locus	2764 S Name 18243	1.1e-287 <u>Acc#</u> AF118243
Protein name mobilization prote: Description Bacteroides fragil	in C is mobiliza	7327	Length 536 tein C (i	Length Locus gp:AFI mobC) gen	2764 S Name 18243	Acc# AF118243 letecds.
Protein name mobilization prote: Description Bacteroides fragil ORF Name	in C is mobiliza	7327 ation pro	Length 536 tein C (i	Length Locus gp:AFI mobC) gen AA Length	2764 S Name 18243 ne, comp. Score	Acc# AF118243 letecds. Probability
Protein name mobilization prote: Description Bacteroides fragil ORF Name	in C is mobiliza	7327 ation pro	Length Stein C (i NT Length 229	Length Locus gp:AFI mobC) gen AA Length 690 Locus	2764 S Name 18243 ne, comp. Score 171 S Name	Acc# AF118243 letecds. Probability 6.7e-13
Protein name mobilization protein Description Bacteroides fragil ORF Name 26602175_c1_62	in C is mobiliza	7327 ation pro	Length Stein C (i NT Length 229	Length Locus gp:AFI mobC) gen AA Length Locus Locus	2764 S Name 18243 ne, comp. Score 171 S Name	Acc# AF118243 Ietecds. Probability 6.7e-13 Acc#

			$\overline{ ext{NT}}$	\underline{AA}	Score	Probability	
ORF Name	NTID	AAID	Length	Length	<u> </u>	110000111107	
33708427_c1_43	2107	7329	157	174			
Protein name				Locus	Name	Acc#	
Description							
NO-HIT							
			NT	AA			
ORF Name	NTID	AAID	<u>Length</u>	<u>Length</u>	Score	Probability	
3.4412578t11	2108	7330	102	309		ŧ	
Protein name				Locus	Name	Acc#	
Description							
NO-HIT							
			ידיא	AA			
ORF Name	NTID	AAID	<u>NT</u> Length	<u>Length</u>	Score	Probability	
ORF Name [3.6.3.6.7.8.3.7		<u>AAID</u>	Length		Score 531	Probability 4.0e-55	
			Length	Length		-	
36367837 <u>c144</u>			Length	Length	531 Name	4.0e-55	
36367837 <u>c144</u>			Length	Length Locus	531 Name	4.0e-55 Acc#	
36367837 <u></u> c1 <u></u> 44 Protein name	2109	7331	Length 423	Length 1272 Locus sp:YBDN	531 3 Name CECOLI	4.0e-55 Acc#	
36367837_cl_44 Protein name Description	2109	7331	Length 423	Length Locus sp:YBDN ERGENIC F	531 3 Name CECOLI	4.0e-55 Acc# P77216	
36367837_cl_44 Protein name Description	2109	7331	Length 423	Length 1272 Locus sp:YBDN	531 3 Name CECOLI	4.0e-55 Acc#	
36.36.783.7cl44 Protein name Description HYPOTHETICAL 47	.8 KD PROTEIN	7331	Length 423 DSBG INTI NT Length	Length Locus Sp:YBDN ERGENIC F	531 Name LECOLI EGION	4.0e-55 Acc# P77216	
36.36.783.7cl44 Protein name Description HYPOTHETICAL 47 ORF Name	.8 KD PROTEIN	7331 IN CSTA-	Length 423 DSBG INTI NT Length	Length Locus Sp:YBDN ERGENIC F AA Length	531 Name LECOLI EGION	4.0e-55 Acc# P77216	
Description HYPOTHETICAL 47 ORF Name 4032950_t1_3	.8 KD PROTEIN	7331 IN CSTA-	Length 423 DSBG INTI NT Length	Length Locus Sp:YBDN ERGENIC F AA Length	531 S Name N_ECOLI SEGION Score	4.0e-55 Acc# P77216 Probability	

ORF Name	NTID	AAID	NT Length	<u>AA</u> Length	Score	Probability
Protein name	2111	7333	118	Locus	s Name	Acc#
Description				, , , , , , , , , , , , , , , , , , , ,		
ORF Name	NTID	AAID	<u>NT</u> Length	AA Length	Score	Probability
4180181 <u></u> c268	2112	7334	126	381	265	7.3e-23
Protein name				Locus	Name	Acc#
unknown				gp:AF11	8244	AF118244
Description						e 2
Bacteroides fra	gilis unknown	gene.				
ORF Name	NTID	AAID	<u>NT</u> Length	AA Length	Score	Probability
ORF Name 4406908 <u></u> cl_46		<u>AAID</u> 7335	Length		Score	Probability 7.2e-16
			Length	Length		
4406908_cl_46 Protein name			Length	Length	199 Name	7.2e-16
4406908 <u>c1</u> _46	2113	7335	Length	Length Locus sp:YBDM	199 Name	7.2e-16 <u>Acc#</u>
Protein name Description	2113	7335	Length	Length Locus sp:YBDM	199 Name	7.2e-16 Acc# P77174
4406908_cl_46 Protein name Description HYPOTHETICAL 23	.9 KD PROTEIN NTID	7335	Length 69 DSBG INTI NT Length	Length Locus sp:YBDM	199 Name LECOLI EGION	7.2e-16 Acc# P77174
Protein name Description HYPOTHETICAL 23 ORF Name	.9 KD PROTEIN NTID	7335 IN CSTA-	Length 69 DSBG INTI NT Length	Length Locus Sp:YBDM ERGENIC R AA Length	199 Name LECOLI EGION	7.2e-16 Acc# P77174 Probability
Protein name Description HYPOTHETICAL 23 ORF Name 4486052tl2	.9 KD PROTEIN NTID	7335 IN CSTA-	Length 69 DSBG INTI NT Length	Length Locus Sp:YBDM ERGENIC R AA Length	199 Name ECOLI EGION Score	7.2e-16 Acc# P77174 Probability

ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
6287687_f1_10	2115	7337	439 1	320	130	3.1e-05
Protein name				Locu	s Name	Acc#
M protein				gp:SSG	EMM	X60098
Description						
Streptococcus sp.	(group G) e	mm gene	for M pro	otein.	-	
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
6522533_c2_81	2116	7338	213	542	120	4.3e-05
Protein name					s Name	Acc#
probable transpos	ase for IS15	58		pir:F7	0678	F70678
Description						
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
98.9.71.3.7c31.03	2117	7339	102	309	83	0.0087
Protein name				Locu	s Name	Acc#
coproporphyrinoge	n III oxidas	e		gp:BSH	RCA	Y09446
Description						
B.stearothermophi	lus hemN gen	e (parti	al) and l	nrcA gen	e	
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
14463305 <u></u> c324	2118	7340	520	1563	1215	1.6e-123
Protein name				Locu	s Name	Acc#
50 kD antigen PG1		· · · · · · · · · · · · · · · · · · ·		gp:AF1	44076	AF144076
Description	×			_		
Porphyromonas gir	givalis stra	in W50 5	0 kD ant	igen PG1	gene, co	mplete cds.

ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
16603425_c1_18	2119 7	341	361 1	083	558	1.7e-68
Protein name				Locus	Name	Acc#
NqrB				gp:AF16	5980	AF165980
Description						
Vibrio harveyi Na+ complete sequence.	-translocati	ng NADH-c	quinone	oxidored	uctaseco	omplex operon,
			NT	AA	Caoro	Drobobility
ORF Name	NTID	AAID	Length	Length	Score	Probability
19775252_f2_8	2120 7	342	432 1	299		
Protein name				Locus	Name	Acc#
Description						
NO-HIT						
			NT	7.7		
ORF Name	NTID	<u>AAID</u>	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
ORF Name 30.728302_c3_23	*		Length		Score	Probability
	*		Length	Length		
3.0728302 <u>c3</u> 23	*		Length	Length	707 Name	1.1e-69
3.0728302 <u>c3</u> 23	*		Length	Length 068 Locus	707 Name	1.1e-69 <u>Acc#</u>
30728302_c3_23 Protein name	2121 7	343	Length	Length 068 Locus	707 Name	1.1e-69 <u>Acc#</u>
Protein name Description	2121 7	343	Length 355 I	Length Locus Sp:BLMF	707 Name	1.1e-69 <u>Acc#</u>
Protein name Description	2121 7	343 [Length	Length 068 Locus	707 Name	1.1e-69 <u>Acc#</u>
Protein name Description BLEOMYCIN HYDROLASI	2121 7 E, (BLM HYDRO	OLASE) (E	Length 355 I BMH) NT Length	Length Locus Sp:BLMH	707 Name	1.1e-69 Acc# P70645
Protein name Description BLEOMYCIN HYDROLASI ORF Name	2121 7 E, (BLM HYDRO	OLASE) (E	Length 355 I BMH) NT Length	Length Locus Sp:BLMH AA Length	707 Name RAT Score	Acc# P70645 Probability
Description BLEOMYCIN HYDROLASI ORF Name 13845052_c3_49	2121 7 E, (BLM HYDRO NTID 2122 7	343 OLASE) (E AAID 1	Length 355 I BMH) NT Length 812 2	Length Locus Sp:BLMH AA Length	Name RAT Score 649 Name	1.1e-69 Acc# P70645 Probability 3.1e-82

ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
1953386_±3_23	2123	7345	148 4	47		
Protein name			Name of the last o	Locus	Name	Acc#
Description						
NO-HIT						
			NT	AA		D 1. 1. 1. 1. 1. 1.
ORF Name	NTID	AAID	<u>Length</u>	Length	Score	Probability
19553528 <u></u> c1 <u></u> 32	2124	7346	101	306	99	2.8e-05
Protein name				Locus	Name	Acc#
				sp:Y660	_HAEIN	P44031
Description						
HYPOTHETICAL PRO	TEIN HIO660					* .
			NT	AA		D . 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
ORF Name 21988900_t2_17		<u>AAID</u> 7347	Length		Score	Probability
			Length	Length 951	Score Score	Probability Acc#
21988900 <u></u> £2 <u></u> 17			Length	Length 951		
21988900f217 Protein name			Length	Length 951		
21988900_f2_17 Protein name Description			Length 316	Length 951 Locus		
21988900_f2_17 Protein name Description			Length	Length 951		
Protein name Description NO-HIT		7347	Length 316 NT Length	Length Locus	s Name	Acc#
Protein name Description NO-HIT ORF Name		7347 	Length 316 NT Length	Length Locus AA Length	s Name	Acc#
Protein name Description NO-HIT ORF Name 23492761_f1_6		7347 	Length 316 NT Length	Length Locus AA Length	Score	Acc# Probability
21988900£217 Protein name Description NO-HIT ORF Name 23492761£16		7347 	Length 316 NT Length	Length Locus AA Length	Score	Acc# Probability

ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
23610933_c1_26	2127	7349	60	183	No	7004
Protein name				Locus	s Name	Acc#
Description						
NO-HIT						
ORF Name	NTID	AAID	NT Length	<u>AA</u> Length	Score	Probability
23643903 <u>_f1_</u> 3	2128	7350	121	366		
Protein name				Locus	Name	Acc#
Description						
NO-HIT						
			NT	AA	Score	Probability
ORF Name	NTID	AAID	Length	Length		
24494056 <u></u> f1 <u></u> 7	2129	7351	498	L494	481	1.1e-44
Protein name				Locus	s Name	Acc#
115K outer membrane protein	protein	precursor	SusC	pir:JC	5027	JC6027
Description						
	*		NT	AA	-	- 1 1171
ORF Name	NTID	AAID	Length	Length	Score	Probability
24892087 <u></u> c1 <u></u> 3.6	2130	7352	332	996	178	2.9e-10
Protein name				Locus	s Name	Acc#
receptor antigen (R	lagA)		1	gp:PGI	130872	AJ130872
Description						
Porphyromonas gingi immunodominant 55kDa			antigen	(rag) lo	ocus enc	odinga major

ORF Name	NTID AAID	NT AA Length Length Score	Probability
29691536_t2_13	2131 7353	89 270	
Protein name		Locus Name	Acc#
Description			
NO-HIT			w (- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
		NT AA	Decele alad I de a
ORF Name	<u> </u>	Length Length Score	Probability
31414132 <u></u> c2 <u></u> 41	2132 7354	68 207	
Protein name		Locus Name	Acc#
Description			
NO-HIT			
		NT AA	
ORF Name	NTID AAID	Length Length Score	Probability
7245312 <u></u> G3 <u></u> 47	2133 7355	101 306 101	1.7e-05
Protein name		Locus Name	Acc#
putative transcri	ptional regulator	gp:YPPCP1	AL109969
Description			
Yersinia pestis p	plasmid pPCP1.		
		NT AA Score	Probability
ORF Name	AAID AAID	<u>Length</u> <u>Length</u>	*
1360802 <u>f3</u> 34	2134 7356	373 1122	
Protein name		Locus Name	Acc#
Description			
NO-HIT			
L			

			NT	AA	0	Drahahiliter
ORF Name	NTID	AAID	Length	Length	Score	Probability
13884652_f3_32	2135	7357	125	378	259	2.2e-21
Protein name				Locus	s Name	Acc#
				sp:TRA	2_BACFR	Q45119
Description						
TRANSPOSASE FOR	INSERTION SEC	QUENCE EL	EMENT IS:	21-LIKE		
	×		NT	<u>AA</u>	Score	Probability
ORF Name	NTID	AAID	Length	Length	BCOIC	riodability
14556510_f3_30	2136	7358	209	630	396	9.6e-37
Protein name				Locus	s Name	Acc#
YadS				gp:AF1	98617	AF198617
Description						
Aeromonas caviae	polar flage.	lla locus	, comple	te sequer	ice.	8
Aeromonas caviae	polar flage.	lla locus				
ORF Name	polar flage	AAID	NT Length	<u>AA</u> Length	Score	Probability
	NTID		<u>NT</u> Length	AA		Probability
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length		Probability Acc#
ORF Name 195337_f3_33	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	*
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	*
ORF Name 195337_f3_33 Protein name Description	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	*
ORF Name 195337_f3_33 Protein name Description NO-HIT	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	*
ORF Name 195337_f3_33 Protein name Description NO-HIT ORF Name	NTID 2137 NTID	<u>AAID</u> 7359	NT Length 103	Length Locu Locu	Score s Name	Acc#
ORF Name 195337_f3_33 Protein name Description NO-HIT ORF Name 20815912_c2_56	NTID 2137 NTID	<u>AAID</u> 7359 <u>AAID</u>	NT Length 103	Length Locu AA Locu AA Length 1341	Score Score 494	Acc# Probability 3.9e-47
ORF Name 195337_f3_33 Protein name Description NO-HIT ORF Name 20815912_c2_56	NTID	AAID 7359 AAID 7360	NT Length NT Length Length 446	AA Length Locu AA Length Locu AA Length Locu Locu	Score Score 494 S Name	Acc# Probability 3.9e-47 Acc#
ORF Name 195337_f3_33 Protein name Description NO-HIT ORF Name 20815912_c2_56	NTID	AAID 7359 AAID 7360	NT Length NT Length Length 446	Length Locu AA Locu AA Length 1341	Score Score 494 S Name	Acc# Probability 3.9e-47

ODE Name	MULTIN	71 71 T.D.	NT	AA Longth	Score	Probability
ORF Name	NTID	AAID	Length	Length		
25422952_£1_12	2139	7361	165	198		
Protein name				Locus	Name	Acc#
Description						
NO-HIT						
			NT	AA		Date 1: 12 12 1
ORF Name	NTID	AAID	Length	<u>Length</u>	Score	Probability
26174037_f1_9	2140	7362	88 2	267		
Protein name				Locus	Name	Acc#
Description						
NO-HIT			······································			
			NTM	77 77		
ORF Name	NTID	AAID	<u>NT</u> Length	AA Length	Score	Probability
26581625 <u></u> £3 <u></u> 35	2141	7363	320	963		
Protein name				Locus	Name	Acc#
Description						
NO-HIT		- 160				
ORF Name	NTID	AAID	<u>NT</u> Length	AA Length	Score	Probability
30523513 <u>c1</u> 47	2142	7364	731 2	2193	122	0.00035
Protein name				Locus	Name	Acc#
115K outer membrar	e protein	precursor	:SusC	pir:JC6	027	JC6027
protein						
Description						
			NT	AA		
ORF Name	NTID	AAID	Length	<u>Length</u>	Score	Probability
4006551 <u> </u> ±1 <u> </u> 10	2143	7365	110	333		
Protein name				Locus	Name	Acc#
Description						
NO-HIT		<u> </u>				

ORF Name	NTID	AAID	NT AA Score Probabi	lity
4087502_c1_45	2144	7366	179 540	
Protein name		<u></u>	Locus Name Ac	<u>c#</u> .
Description				
NO-HIT				
			NT AA G	1.24
ORF Name	NTID	AAID	Length Length Score Probabi	Lity
410.03.42±18	2145	7367	65 198	
Protein name			Locus Name Ac	<u>c#</u>
Description				
NO-HIT				* -
			NT AA C D. D. D. D. D.	
ORF Name	NTID	AAID	Length Length Score Probabi	lity
7.0.3.4.5.8.7t222	2146	7368	104 315 81 0.005	8
Protein name	*		Locus Name Ac	<u>c#</u>
			sp:ZN90_HUMAN Q03	938
Description				
ZINC FINGER PRO	OTEIN 90 (ZINC	FINGER P	ROTEIN HTF9) (FRAGMENT)	8
	*		NT AA Score Probabi	lity
ORF Name	NTID	AAID	Length Length	
16525383 <u></u> c2 <u></u> 3 <i>7</i>	2147	7369	119 360	
Protein name			Locus Name Ac	<u>C#</u>
Description				
NO-HIT				

Protein name	ORF Name	NTID AAID	NT AA Sco	ore Probability
Protein name				3.4e-07
Immunoreactive 53 kD antigen PG123 Sp:AF144641 Description				
Description	<u>Protein name</u>		Locus Nar	ne Acc#
Porphyromonas gingivalis strain W50 immunoreactive 53 kD antigenPG123 gene, complete cds.	immunoreactive 53	kD antigen PG123	gp:AF144641	AF144641
NTID AAID Length Length Score Probability	Description			
ORF Name NTID AAID Length Length Score Probability 36226558_c1_31 2149 7371 118 357 Protein name Locus Name Acc# Description NO-HIT NTID AAID Length Length Score Probability 36363367_c2_34 2150 7372 109 330 Acc# Protein name Locus Name Acc# Description NO-HIT ORF Name NTID AAID Length Length Probability 36525317_c1_28 2151 7373 95 288 Protein name Acc# Description Locus Name Acc#		ngivalis strain W50 i	mmunoreactive 53 kD a	ntigenPG123 gene,
ORF Name NTID AAID Length Length Score Probability 36226558_c1_31 2149 7371 118 357	1			
Description NO-HIT NT	ORF Name	NTID AAID	— Scc	ore Probability
Description NO-HIT	36226558_c1_31	2149 7371	118 357	
NO-HIT	Protein name		Locus Nar	Acc#
ORF Name NTID AAID Length Length Score Probability 36363967c234 2150 7372 109 330	Description			x
ORF Name NTID AAID Length Length Score Probability 36363967c234	NO-HIT	, , , , , , , , , , , , , , , , , , ,		
ORF Name NTID AAID Length Length Score Probability 36363967c234				
Protein name Locus Name Acc# Description NO-HIT NT AA Score Probability ORF Name NTID AAID Length Length Score Probability 36.525317cl28			NT AA	
Description NO-HIT NT AA Score Probability ORF Name NTID AAID Length Length Probability 3.6.5.25.317c128	ORF Name	NTID AAID	— — Sco	ore Probability
NO-HIT NTID AAID Length Length Score Probability 3.6.5.2.5.3.1.7cl28			Length Length	
ORF Name NTID AAID Length Length Score Probability 36525317c128	36363967 <u></u> c2 <u></u> 34		Length Length Sco	, j .
ORF Name NTID AAID Length Score Probability 36525317c128	36363967c234 Protein name	2150 7372	Length Length Sco	, j .
ORF Name NTID AAID Length Score Probability 36525317c128	Protein name Description	2150 7372	Length Length Sco	, j .
Protein name Locus Name Acc# Description	Protein name Description	2150 7372	Length Length 109 330 Locus Nam	ne <u>Acc#</u>
Description	Protein name Description NO-HIT	2150 7372	Length Length 109 330 Locus Nam NT AA Sec	ne <u>Acc#</u>
	Protein name Description NO-HIT ORF Name		Length Length Locus Nam Locus Nam NT AA Length Length Sco	ne <u>Acc#</u>
NO-HIT	36363967c234 Protein name Description NO-HIT ORF Name 36525317c128		Length Length Locus Nam NT AA Length Length Sco Sco 288	ne Acc#
	Protein name Description NO-HIT ORF Name 36525317_c1_28		Length Length Locus Nam NT AA Length Length Sco Sco 288	ne Acc#

ORF Name	NTID	AAID	<u>NT</u> Length	AA Length	Score	Probability	
		<u>*************************************</u>					
36679717_c2_33	2152	7374	61	186			
Protein name			•	Locus	Name	Acc#	
Description							
NO-HIT						*	
			NT	AA		<u> </u>	
ORF Name	NTID	AAID	Length	<u>Length</u>	Score	Probability	
5332628342	2153	7375	73 2	222			
Protein name				Locus	Name	Acc#	
Description							
NO-HIT							7
							<u> </u>
			NT	<u>AA</u>	Score	Probability	
ORF Name	NTID	AAID	<u>Length</u>	Length			
6459782 <u>c2</u> 35	2154	7376	138 4	17			
Protein name				Locus	Name	Acc#	
Description					* :		
NO-HIT							1
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
23.9921.75 <u></u> c329	2155	7377	432 1	296			*
						77 II	
Protein name				Locus	Name	Acc#	
Description							
NO-HIT			1				1
			2700	73.73			
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
24006387 <u>f1</u> 4	2156	7378	763 2	292	613	6.0e-59	-
Protein name				Locus	Name	Acc#	
115K outer membrane	protein p	recursor:	SusC	pir:JC6	027	JC6027	
protein						1	
Description							

			NT	AA			
ORF Name	NTID	AAID	Length	Length	Score	Probability	
24511625_f1_5	2157	7379	70	213	52	0.042	
Protein name				Locu	s Name	Acc#	
heat shock transcri	ption fac	tor HSF21		pir:S5	9537	- 3	
Description							
			NT	<u>AA</u>	Score	Probability	
ORF Name	NTID	AAID	Length	Length			
2466656 <u></u> t2 <u></u> 6	2158	7380	397	194	229	1.5e-16	
Protein name				Locu	s Name	Acc#	
dipeptidase homolog				gp:AF0	60858	AF060858	
Description	-						
SPI-4 pathogenicity (sopB), PipC (pipC), tRNA-Ser gene, compl	PipB (pi	pB), and	PipA (pip	oA) genes	, comple	te cds; and	
ORF Name	NTID	AAID	Length	Length	Score	Probability	
33412762 <u>f1</u> 2	2159	7381	586	761	1163	5.0e-118	
Protein name				Locu	s Name	Acc#	
				sp:YHX	B_BACSU	P18159	
Description							
PROBABLE PHOSPHOMAN	NOMUTASE,	(PMM)					
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
34119717 <u> </u> £3 <u> </u> 12	2160	7382	64	.95			
Protein name				Locus	s Name	Acc#	
Description							
NO-HIT]

		NT	AA			
ORF Name	NTID	AAID Lengt		Score	Probability	
3912688_c2_26	2161 7.	81	246			
Protein name			Locus	Name	Acc#	
Description						
по-ніт]
						j
ORF Name	NTID	AAID Lengt	<u>AA</u> h <u>Length</u>	Score	Probability	
4344035 <u></u> £3 <u></u> 13	2162 73	314	945	135	2.4e-06	
Protein name			Locus	Name	Acc#	
transmembrane se	ensor		gp:AF05	1691	AF051691	
Description					···	
Pseudomonas aeru transmembrane sei (fiuA) genes, con	nsor (fiuR), and	_	· -		· ·	
ORF Name	NTID	NT AAID Lengt	<u>AA</u> h <u>Length</u>	Score	Probability	
4735655 <u></u> £2 <u></u> 9	2163 73	195	588	199	7.2e-16	
Protein name			Locus	Name	Acc#	
RNA polymerase s	igma factor Sig	Z-like prote	in gp:AF13	7263	AF137263	
Description						
Bacteroides thet gene cluster, and complete cds.			-	_	· ·	
		NT	AA	*	···	
ORF Name	NTID	AAID Lengt		Score	Probability	
3.0.016.88£313	2164 73	629	1890	1567	7.8e-161	
Protein name			Locus	Name	Acc#	
			sp:PARE	_BORBU	Q59189	
Description			()			
TOPOISOMERASE IV	/ SUBUNIT B,					

		NT AA Saara	Probability
ORF Name	NTID AAID	Length Length Score	Probability
33361630_±2_9	2165 7387	160 483 305	4.2e-27
Protein name		Locus Name	Acc#
probable KDO tr	ansferase	pir:T35652	T35652
Description			
		NT AA	
ORF Name	NTID AAID	Length Length Score	Probability
33707761332	2166 7388	146 441 131	1.2e-08
Protein name		Locus Name	Acc#
hypothetical pr	otein PH0474	pir:E71159	E71159
Description			H 2
		NTT 7.7.	
ORF Name	NTID AAID	NT AA Score	Probability
4038927 <u>£1</u> 1		381 1146 331	7.4e-30
Protein name		Locus Name	Acc#
hypothetical pr	otein b2981	pir:C65084	C65084
Description			
		NTTI 7.7.	
ORF Name	NTID AAID	NT AA Score	Probability
4195250 <u>f3</u> 11	2168 7390	323 972 627	3.2e-61
Protein name		Locus Name	Acc#
conserved hypot	hetical protein aq_066	pir:E70306	E70306
Description			g +
	1		
ORF Name	NTID AAID	NT AA Score	Probability
512640.7 <u></u> .£2 <u></u> 10		306 921 409	4.0e-38
Protein name	-	Locus Name	Acc#
	l processing proteinase fic endopeptidase Prc	pir:B69610	
	TIC endopeptidase PIC		*
Description			

			NT	AA		
ORF Name	NTID	AAID	Length	Length	Score	Probability
14664017_c3_5	2170	7392	209	527	376	1.9e-33
Protein name				Locus	s Name	Acc#
receptor antige	en (RagA)			gp:PGI	130872	AJ130872
Description						
Porphyromonas immunodominant	gingivalis W50 55kDa antigen.	receptor	antigen	(rag) lo	ocus enco	odinga major
			NT	AA	Score	Probability
ORF Name	NTID	AAID	Length	Length	Score	FIODADITICY
24257800_f2_2	2171	7393	398	L197	343	4.0e-31
Protein name				Locus	s Name	Acc#
transposase				gp:AF0	38866	AF038866
Description						
Bacteroides fr	agilis transpos	on Tn552	transpo	osase (b:	ipH) andr	mobilization
protein BmpH (b	mpH) genes, com	plete cds	5.			
protein BmpH (b	mpH) genes, com	plete cd:	5.			
protein BmpH (b	mpH) genes, com	aplete cds	NT Length	AA Length	Score	Probability
	mpH) genes, com	plete cds	NT Length	<u>AA</u>		<u> </u>
ORF Name	mpH) genes, com	AAID	NT Length	AA Length	Score	Probability
ORF Name	mpH) genes, com	AAID	NT Length	AA Length 171 Locu	Score	Probability 2.5e-10
ORF Name	mpH) genes, com	AAID	NT Length	AA Length 171 Locu	Score 147 S Name	Probability 2.5e-10 Acc#
ORF Name 126876871316 Protein name Description	mpH) genes, com	AAID	NT Length	AA Length 471 Locu sp:CUT	Score 147 s Name F_ECOLI	Probability 2.5e-10 Acc#
ORF Name 126876871316 Protein name Description	MTID 2172	AAID	NT Length 156 RSOR (LI	AA Length 171 Locu sp:CUT	Score 147 s Name F_ECOLI	Probability 2.5e-10 Acc# P40710
ORF Name 126876871316 Protein name Description	MTID 2172	AAID	NT Length	AA Length 471 Locu sp:CUT	Score 147 s Name F_ECOLI	Probability 2.5e-10 Acc#
ORF Name 126876871316 Protein name Description COPPER HOMEOST	MTID ASIS PROTEIN CU	AAID 7394 TF PRECU	NT Length 156 RSOR (LI	AA Length 171 Locu sp:CUT	Score 147 s Name F_ECOLI N NLPE)	Probability 2.5e-10 Acc# P40710
ORF Name 12687687t316 Protein name Description COPPER HOMEOST ORF Name	MTID ASIS PROTEIN CU	AAID TF PRECU	NT Length 156 RSOR (LI NT Length	AA Length Locu sp:CUT POPROTEIL AA Length	Score 147 S Name F_ECOLI N NLPE) Score	Probability 2.5e-10 Acc# P40710 Probability
ORF Name 12687687	NTID ASIS PROTEIN CO NTID 2172 2173 ing protein slr	AAID AAID AAID AAID 7395	NT Length 156 RSOR (LI NT Length 738	AA Length Locu sp:CUT POPROTEIL AA Length	Score 147 S Name F_ECOLI N NLPE) Score 863 S Name	Probability 2.5e-10 Acc# P40710 Probability 3.1e-86
ORF Name 12687687	NTID ASIS PROTEIN CO NTID 2172 2173 ing protein slr	AAID AAID AAID AAID 7395	NT Length 156 RSOR (LI NT Length 738	AA Length Locu sp:CUT POPROTEIL AA Length Locu Locu	Score 147 S Name F_ECOLI N NLPE) Score 863 S Name	Probability 2.5e-10 Acc# P40710 Probability 3.1e-86 Acc#

	_		NT	AA	Canno	Drobobiliter
ORF Name	NTID	AAID	Length	Length	Score	Probability
14354762_f3_15	2174	7396	117	354	90	0.0020
Protein name				Locu	s Name	Acc#
				gp:CEY	111B2C	AL132906
Description						
Caenorhabditis eleg	jans cosmi	d Y111B2C	, comple	te seque	nce.	*
			NT	AA		
ORF Name	NTID	AAID	Length	<u>Length</u>	Score	Probability
16832885_f2_14	2175	7397	182	546	702	3.6e-69
Protein name				Locu	s Name	Acc#
hypothetical protei	n			pir:JQ	1020	JQ1020
Description	1					
				····		*
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
22860128 <u></u> £3 <u></u> 26	2176	7398	83	252	64	0.031
Protein name	-			Locu	s Name	Acc#
				sp:SPR	C_XENLA	P36378
Description						
(OSTEONECTIN) (ON)	(BASEMEN'I	MEMBRANE	PROTEIN	BM-40)		
			NT	AA		
ORF Name	NTID	AAID	Length	<u>Length</u>	Score	Probability
24412566 <u>f2</u> 13	. 2177	7399	358	1077	153	1.1e-07
Protein name	0			Locu	s Name	Acc#
KIAA0850 protein				gp:AB0	20657	AB020657
Description						
Homo sapiens mRNA	for KIAA08	350 protei	n, compl	ete cds.		

			NT	AA	_	m - 1 - 1 - 1 - 1 - 1 - 1	
ORF Name	$\overline{ ext{NTID}}$	AAID	Length	Length	Score	Probability	
34181531_c1_33	2178	7400	402	L209	86	0.0058	
Protein name				Locus	s Name	Acc#	
				sp:Y414	1_HAEIN		
Description							
HYPOTHETICAL PRO	TEIN HI0414						
ORF Name	NTID	AAID	<u>NT</u> Length	AA Length	Score	Probability	
5172277_c2_40	2179	7401	466	1401			
Protein name				Locus	s Name	Acc#	
Description							
NO-HIT							1
							J
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
ORF Name		<u>AAID</u> 7402	Length		Score	Probability	
			Length	Length	Score s Name	Probability Acc#	
			Length	Length			
16270793c253 Protein name			Length	Length]
Protein name Description			Length	Length 264 Locus]
Protein name Description			Length	Length]
Protein name Description NO-HIT		7402	Length 87 NT Length	Length Locus	s Name	Acc#]
Protein name Description NO-HIT ORF Name		7402 AAID	Length 87 NT Length	Length Locus AA Length	s Name	Acc# Probability]
Protein name Description NO-HIT ORF Name	NTID 2181	7402 AAID	Length 87 NT Length	Length Locus AA Length	Score 759 S Name	Acc# Probability 3.3e-75]
Protein name Description NO-HIT ORF Name 200.7255_c3_60	NTID 2181	7402 AAID	Length 87 NT Length	Length Locus AA Length Locus Locus	Score 759 S Name	Acc# Probability 3.3e-75 Acc#]

ORF Name	NTID	<u>N'</u> AAID Leng		Score	Probability
22150262 c2_47	2182 74	04 211	636	570	3.5e-55
Protein name			Locu	s Name	Acc#
Procein name				8_HAEIN	
			Sp: 110	O_HABIN	
Description					
HYPOTHETICAL PROT	EIN HI0168/169				
ORF Name	NTID	<u>N'</u> AAID Leng		Score	Probability
24744125 cl 44	2183 74	05 164	495	276	5.0e-24
Protein name			Locu	s Name	Acc#
macrophage intect	ivity potentia	tor	gp:LSU		U92222
macrophage infect	ivity potentia		<u>9p.130</u>		3222
Description Legionella spirit	ensis macropha	ge infectiv	rity potenti	ator (mi	p)gene,
Legionella spirit complete cds.		ge infectiv <u>N</u> AAID Len	<u> AA</u>	Score	p)gene, Probability
Legionella spirit complete cds.	NTID	N AAID Len	<u> AA</u>	Score	
Legionella spirit complete cds. ORF Name 24804642_c1_41	NTID	N AAID Len	<u>I AA</u> gth Length	Score	Probability
Legionella spirit complete cds. ORF Name 24804642_c1_41	<u>NTID</u> [2184] [74	AAID Len	<u>I AA</u> gth Length 1290 Locu	Score 1031 as Name	Probability 4.9e-104
Legionella spirit complete cds. ORF Name 24804642_c1_41	NTID 74 NADH-ubiquino	AAID Len	<u>I AA</u> gth Length	Score 1031 as Name	Probability 4.9e-104 Acc#
Legionella spirit complete cds. ORF Name 24804642_c1_41 Protein name Na+-translocating	NTID 74 NADH-ubiquino	AAID Len	<u>I AA</u> gth Length 1290 Locu	Score 1031 as Name	Probability 4.9e-104 Acc#
Legionella spirit complete cds. ORF Name 24804642_cl41 Protein name Na+-translocating oxidoreductase, be	NTID 74 NADH-ubiquino	AAID Len	T AA T AA T AA	Score 1031 as Name 54052	Probability 4.9e-104 Acc#
Legionella spirit complete cds. ORF Name 24804642_c1_41 Protein name Na+-translocating oxidoreductase, be Description	NTID 2184 74 NADH-ubiquino ta chain	AAID Len 06 429 ne	T AA T AA T AA	Score 1031 as Name 54052	Probability 4.9e-104 Acc# D64052
Legionella spirit complete cds. ORF Name 24804642_cl_41 Protein name Na+-translocating oxidoreductase, be Description ORF Name	NTID 2184 74 NADH-ubiquino ta chain	AAID Len N 429 ne	T AA gth Length Locu pir:De	Score 1031 as Name 54052 Score	Probability 4.9e-104 Acc# D64052 Probability
Legionella spirit complete cds. ORF Name 248.046.42_c1_41 Protein name Na+-translocating oxidoreductase, be Description ORF Name	NTID 2184 74 NADH-ubiquino ta chain	AAID Len N 429 ne	I AA gth Length Locu pir:De	Score 1031	Probability 4.9e-104 Acc# D64052 Probability 1.5e-10
Legionella spirit complete cds. ORF Name 248.046.42_c1_41 Protein name Na+-translocating oxidoreductase, be Description ORF Name	NTID 2184 74 NADH-ubiquino ta chain	AAID Len N 429 ne	I AA gth Length Locu pir:De	Score 1031 as Name 54052 Score 155 as Name	Probability 4.9e-104 Acc# D64052 Probability 1.5e-10 Acc#

			NT	AA	Score	Probability
ORF Name	NTID	AAID	<u>Length</u>	<u>Length</u>	BCOIC	HODADITICY
26456280_c1_42	2186 7	408	471	1416	452	1.5e-51
Protein name				Locus	Name	Acc#
×				sp:DEAL	D_BACSU	P42305
Description						
PROBABLE ATP-DEP	ENDENT RNA HEL	ICASE DE	EAD			
			NT	AA		
ORF Name	NTID	AAID	<u>Length</u>	Length	Score	Probability
30105385_c3_61	2187	7409	183	552	221	3.3e-18
Protein name				Locus	s Name	Acc#
				gp:AB0	14075	AB014075
Description						
hypoxanthine-guan	I nartial cde	osyı-trai	nsierase	(HGPRTas	se), GIP	ase and 12
ORFs, completeand	NTID	AAID	NT Length	(HGPRTas AA Length	Score	Probability
ORFs, completeand	partial cds. NTID		<u>NT</u> Length	AA		-
ORFs, completeand	partial cds. NTID	AAID	<u>NT</u> Length	AA Length	Score	Probability
ORFs, completeand ORF Name 34174063_c3_55	partial cds. NTID	AAID	<u>NT</u> Length	AA Length 645	Score	Probability 4.1e-61
ORFs, completeand ORF Name 34174063_c3_55	partial cds. NTID	AAID	<u>NT</u> Length	AA Length 645	Score 626 S Name	Probability 4.1e-61 Acc#
ORF Name 34174063_c3_55 Protein name	NTID	AAID	<u>NT</u> Length	AA Length 645	Score 626 S Name	Probability 4.1e-61 Acc#
ORFs, completeand ORF Name 34174063_c3_55 Protein name Description	NTID	AAID	NT Length 214	AA Length 645 Locu sp:NQR	Score 626 s Name E_HAEIN	Probability 4.1e-61 Acc# P71342
ORFs, completeand ORF Name 34174063_c3_55 Protein name Description	NTID	AAID	<u>NT</u> Length	AA Length 645	Score 626 S Name	Probability 4.1e-61 Acc#
ORFs, completeand ORF Name 3.41.740.63c355 Protein name Description (NA-NQR COMPLEX	NTID SUBUNIT 5) NTID	<u>AAID</u> 7410	NT Length 214	AA Length 645 Locu sp:NQR	Score 626 s Name E_HAEIN	Probability 4.1e-61 Acc# P71342
ORF Name 34174063_c3_55 Protein name Description (NA-NQR COMPLEX ORF Name	NTID SUBUNIT 5) NTID	AAID AAID	NT Length 214	AA Length Locu Sp:NQR AA Length	Score 626 S Name E_HAEIN Score	Probability 4.1e-61 Acc# P71342 Probability
ORF Name 34174063G355 Protein name Description (NA-NQR COMPLEX ORF Name 35806324G140	NTID SUBUNIT 5) NTID NTID NTID NTID NTID NTID NTID	<u>AAID</u> AAID 7411	NT Length 214	AA Length Locu Sp:NQR AA Length	Score 626 S Name E_HAEIN Score 102 S Name	Probability 4.1e-61 Acc# P71342 Probability 4.8e-05

ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
4142191 cl_43		7412		.098	839	1.1e-83
Protein name			L L_	Locus	Name	Acc#
					BACSU	
Description				L		
PROTEIN 234) (VEG	(234)					,
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
916577_c3_59	2191	7413	327	984	1049	6.1e-106
Protein name	1			Locus	s Name	Acc#
D-3-phosphoglycer	ate dehydrog	enase		gp:AF0	79881	AF079881
Description						
Entodinium caudat	um D-3-phosp	hoglycer	ate dehvo	rogenase	e mRNA, pa	artial cds.
R						
*						
ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
ORF Name 984752_c2_3	NTID		<u>NT</u> Length	<u>AA</u>		
	NTID	AAID	<u>NT</u> Length	AA Length	Score	Probability
984752 <u></u> c2 <u></u> 3	NTID 2192	AAID	<u>NT</u> Length	AA Length	Score 460 S Name	Probability
984752c23	NTID 2192	AAID	<u>NT</u> Length	AA Length 333	Score 460 S Name	Probability 1.6e-43 Acc#
Protein name hypothetical prot	NTID 2192	AAID	NT Length	Length Locu Dir:JQ	Score 460 S Name	Probability 1.6e-43 Acc#
Protein name hypothetical prot	NTID 2192	AAID	<u>NT</u> Length	AA Length 333	Score 460 S Name	Probability 1.6e-43 Acc#
Protein name hypothetical prot Description	NTID 2192 ein NTID	<u>AAID</u> 7414	NT Length 110 NT Length	AA Length B333 Locu pir:JQ	Score 460 S Name	Probability 1.6e-43 Acc# JQ1020
Protein name hypothetical prot Description ORF Name	NTID 2192 ein NTID	<u>AAID</u> 7414 <u>AAID</u>	NT Length 110	Length Locu Dir:JQ AA Length	Score 460 S Name 1020 Score	Probability 1.6e-43 Acc# JQ1020 Probability
Protein name hypothetical prot Description ORF Name	NTID 2192 Tein NTID 2193	<u>AAID</u> 7414 <u>AAID</u>	NT Length 110	Length Locu Dir:JQ AA Length	Score 460 S Name 1020 Score 96 S Name	Probability 1.6e-43 Acc# JQ1020 Probability [5.9e-05]

ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
12704377_£2_10	2194	7416	61	186			
Protein name				Locus	s Name	Acc#	
Description							
NO-HIT]
			NT	AA			
ORF Name	NTID	AAID	<u>Length</u>	<u>Length</u>	Score	Probability	
16832885 <u></u> ±1 <u></u> 6	2195	7417	271	813	1021	5.6e-103	
Protein name				Locus	s Name	Acc#	
hypothetical protei	n			pir:JQ	1020	JQ1020	
Description							
		*					
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
ORF Name	<u>NTID</u> 2196	<u>AAID</u>	Length		Score	Probability	2
			Length	Length	Score S Name	Probability Acc#	2
19923150 <u></u> 3 <u></u> .61			Length	Length		-	3
19923150_c3_61			Length	Length		-	1
Protein name Description			Length	Length 528 Locus		-	
Protein name Description			Length	Length		-	
Protein name Description	2196	7418	Length 175 NT Length	Length 528 Locus	s Name	Acc#	
Protein name Description NO-HIT ORF Name	2196 NTID	7418 AAID	Length 175 NT Length	Length Locus AA Length	Score	Acc# Probability	
19923150c361 Protein name Description NO-HIT ORF Name 20500430t331	2196 NTID	7418 AAID	Length 175 NT Length	Length Locus AA Length	Score 72 Name	Acc# Probability 0.020	
19923150c361	2196 NTID	7418 AAID	Length 175 NT Length	Length Locus AA Length Locus	Score 72 Name	Acc# Probability 0.020 Acc#	

ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
22860128_f2_21	2198	7420	83	252	64	0.031	
Protein name				Locus	: Name	Acc#	
				sp:SPRC	_XENLA	P36378	
Description							
(OSTEONECTIN) (ON)	(BASEMENT	MEMBRANE	PROTEIN	BM-40)			
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
24229677_c3_60	2199	7421	113	342			
Protein name				Locus	Name	Acc#	
Description							
NO-HIT						,	
				T.			
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
ORF Name 25835942c141		<u>AAID</u> 7422	Length		Score	Probability	
			Length	Length	Score S Name	Probability Acc#	
25835942 <u></u> c1 <u></u> 41			Length	Length		1	
25835942c141			Length	Length		1	
Protein name Description		7422	Length 161 NT	Length Locus	s Name	Acc#	
Protein name Description NO-HIT ORF Name		7422 AAID	Length 161 NT Length	Length Locus AA Length	Score	Acc# Probability	
Protein name Description NO-HIT ORF Name 34173157c137		7422	Length 161 NT Length	Length Locus AA Length	Score	Acc# Probability [5.8e-46]	
Protein name Description NO-HIT ORF Name 341.73157c137	NTID	7422 AAID 7423	NT Length 198	Length Locus AA Length Locus Locus	Score 483 S Name	Acc# Probability 5.8e-46 Acc#	
Protein name Description NO-HIT ORF Name 34173157c137	NTID	7422 AAID 7423	NT Length 198	Length Locus AA Length	Score 483 S Name	Acc# Probability [5.8e-46]	

ODE Name	NTID AAID	NT AA Score Probability Length Length
ORF Name		
34407161_c3_65	2202 7424	
Protein name		Locus Name Acc#
low specificity	L-threonine aldolase	gp:AB001577 AB001577
Description		
Pseudomonas sp.	DNA for low specificit	ty L-threonine aldolase, complete cds.
		NT AA Score Probability
ORF Name	NTID AAID	Length Length Score Probability
35166557_f3_22	2203 7425	736 2211 120 0.0012
Protein name		Locus Name Acc#
hypothetical pro	tein T13D8.29	pir:T02292 T02292
Description		
ORF Name	NTID AAID	NT AA Score Probability Length Length
ORF Name 4329831_c2_51		- Score Propability
		Length Length Score Probability
4329831 <u>c2</u> 51		Length Length Score Probability 186 561 218 7.0e-18
4329831 <u>c2</u> 51 Protein name		Length Length Score Probability 186 561 218 7.0e-18 Locus Name Acc#
AlgT Description	2204 7426	Length Length Score Probability 186 561 218 7.0e-18 Locus Name Acc#
AlgT Description	2204 7426	Length Length Score Probability [186
AlgT Description	2204 7426	Length Length Score Probability 186 561 218 7.0e-18 Locus Name Acc# gp:AF190580 AF190580
Protein name AlgT Description Pseudomonas syri		Length Length Score Probability 186 561 218 7.0e-18 Locus Name Acc# gp:AF190580 AF190580 T (algT) gene, complete cds. NT AA Score Probability
Protein name AlgT Description Pseudomonas syri ORF Name		Length Length Score Probability 186 561 218 7.0e-18 Locus Name Acc# Gp:AF190580 AF190580 T (algT) gene, complete cds. NT
Protein name AlgT Description Pseudomonas syri ORF Name 5188937tl4		Length Length Score Probability 186 561 218 7.0e-18 Locus Name Acc# gp:AF190580 AF190580 T (algT) gene, complete cds. NT AA Length Score Probability 146 441

ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
582552_£3_29	2206 742	28	601 1	.806	1549	6.3e-159	
Protein name				Locus	s Name	Acc#	
pyruvate dehydrogen	ase			pir:T34	4668	T34668	
Description							
			NT	AA			
ORF Name	NTID	AAID	<u>Length</u>	Length	Score	Probability	
5.95.7.0.0 <u></u> c2 <u></u> 4.6	2207 74	29	89 2	270			
Protein name				Locus	s Name	Acc#	
Description							
NO-HIT				-]
			NT	AA	<u> </u>		
ORF Name	NTID	AAID	<u>Length</u>	Length	Score	Probability	
7167057 <u>c2</u> 45	2208 74	30	90 2	273	100	0.00069	
Protein name				Locu	s Name	Acc#	
				sp:YHV	8_YEAST	P38853	
Description							
HYPOTHETICAL 131.1	KD PROTEIN I	N REC1	04-SOL3]	INTERGEN	IC REGION	4	
	7.7		NT	AA		D 1 1 1	
ORF Name	NTID	AAID	Length	Length	Score	Probability	
11049030 <u></u> c1 <u></u> 97	. 2209 74	31	70	213	109	3.3e-06	
Protein name				Locu	s Name	Acc#	
hypothetical prote	in APE0580			pir:D7	2643	D72643	
Description							
			NT	AA			
ORF Name	NTID	AAID	Length	Length	Score	Probability	
16832885 <u>t3</u> 63	. 2210 74	32	431	1296	1723	2.3e-177	
Protein name				Locu	s Name	Acc#	
hypothetical prote	in			pir:JQ	1020	JQ1020	
Description							

			NT	AA	_	- 1 .1. 12 1.	
ORF Name	NTID A	AID	Length	Length	Score	Probability	
21519061_f2_39	2211 743	3	262 7	89	175	3.8e-11	
Protein name				Locus	Name	Acc#	
		•		sp:Y612	_METJA	Q58029	
Description							
HYPOTHETICAL PROTEI	N MJ0612						
			NT	AA	****		
ORF Name	NTID A	AID	Length	Length	Score	Probability	
22689083_f1_16	2212 743	34	396 1	1191	766	5.9e-76	
Protein name				Locus	Name	Acc#	
aminotransferase (A	spC family)			pir:B70	325	B70325	
Description							
ORF Name	NTID Z	AAID	NT Length	AA Length	Score	Probability	
22860128 <u></u> £1 <u></u> 14	2213 743	35	83 2	252	64	0.031	
Protein name				Locus	Name	Acc#	
				sp:SPRC	_XENLA	P36378	
Description				,			
(OSTEONECTIN) (ON)	(BASEMENT MEN	MBRANE	PROTEIN	BM-40)			
			NTIT!	7\ 7\			
ORF Name	NTID Z	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
23626550 <u></u> c2 <u></u> 121	2214 743	36	306	921	391	3.2e-36	
Protein name				Locus	Name	Acc#	
				ab:Nbr	ECOLI	P06995	
Description							
ACID ALDOLASE) (N-A	ACETYLNEURAMIN	NATE PY	RUVATE I	LYASE) (1	IALASE)		

ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
24229677_c3_127 Protein name	2215	7437	165 4	Locus	Name	Acc#
Description						
NO-HIT						
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
24329587 <u>c1</u> 104	2216	7438	1102	3309	421	9.0e-71
Protein name				Locus	Name	Acc#
receptor antigen	(RagA)			gp:PGI1	30872	AJ130872
Description						
Porphyromonas gii immunodominant 55		receptor	antigen	(rag) Io	cus enco	odinga major
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
ORF Name 248006.75£120		<u>AAID</u>	Length		Score	Probability 6.2e-77
			Length	Length	-	
24800675 <u></u> £120			Length	Length	738 Name	6.2e-77
24800675 <u></u> £120			Length	Length 2052 Locus	738 Name	6.2e-77 <u>Acc#</u>
248006.75f120 Protein name			Length	Length 2052 Locus	738 Name	6.2e-77 <u>Acc#</u>
Protein name Description			Length	Length 2052 Locus	738 Name	6.2e-77 <u>Acc#</u>
Protein name Description DNA PRIMASE,		7439	Length 683 NT Length	Length 2052 Locus Sp:PRIM	738 Name CLOAB	6.2e-77 <u>Acc#</u> P33655
Protein name Description DNA PRIMASE, ORF Name		7439 AAID	Length 683 NT Length	Length Locus Sp:PRIM AA Length	738 S Name CLOAB Score	Acc# P33655 Probability
Protein name Description DNA PRIMASE, ORF Name 26287762_c3_133		7439 AAID	Length 683 NT Length	Length Locus Sp:PRIM AA Length	738 S Name CLOAB Score 232 Name	6.2e-77 Acc# P33655 Probability 1.3e-38
Protein name Description DNA PRIMASE, ORF Name 26287762_c3_133		7439 AAID	Length 683 NT Length	Length Locus Sp:PRIM AA Length Locus Locus	738 S Name CLOAB Score 232 Name	Probability 1.3e-38 Acc# Acc# Acc# Acc# Acc#

			NTO	7\7\			
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
26595402_t2_38	2219	7441	355	1068	380	4.7e-35	
Protein name				Locus	Name	Acc#	
phospho-2-dehydro aldolase/chorismat		tonate		pir:A75	5449	A75449	
Description	Ē			•			
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	,
31726635 <u></u> £3 <u></u> 64	2220	7442	300	903	363	3.0e-33	
Protein name			<u> </u>	Locus	Name	Acc#	
				sp:PHEA	A_ERWHE	Q02286	
Description							
	•						
	•		ATITI	7\ 7\			
ORF Name	NTID	AAID	<u>NT</u> Length	AA Length	Score	Probability	
ORF Name 35234800c188		AAID 7443	Length		Score	Probability	
*			Length	Length	*		
35234800 <u></u> c1 <u></u> 88			Length	Length	254 S Name	1.3e-38	
3.5234800_c1_88 Protein name Description	2221	7443	Length	Length 1566 Locus sp:STS	254 S Name	1.3e-38 <u>Acc#</u>	
3.523.4800c188 Protein name	2221	7443	Length	Length 1566 Locus sp:STS	254 S Name	1.3e-38 <u>Acc#</u>	_
3.5234800_c1_88 Protein name Description	2221	7443	Length 521 E C) (Aso	Length Locus sp:STS	254 S Name	1.3e-38 Acc# P50427	
3.5234800_c1_88 Protein name Description	2221	7443	Length	Length 1566 Locus sp:STS	254 S Name	1.3e-38 <u>Acc#</u>	
35234800cl88 Protein name Description SULFATE SULFOHYD	ROLASE) (ARY	7443	Length 521 E C) (Aso NT Length	Length Locus sp:STS	254 Name MOUSE	1.3e-38 Acc# P50427	
3.5234800cl88 Protein name Description SULFATE SULFOHYD ORF Name	ROLASE) (ARY	7443 LSULFATAS AAID	Length 521 E C) (ASC NT Length	Length Locus Sp:STS AA Length	254 Name MOUSE	1.3e-38 Acc# P50427	
35234800c188 Protein name Description SULFATE SULFOHYD ORF Name 3910875t384	ROLASE) (ARY	7443 LSULFATAS AAID	Length 521 E C) (ASC NT Length	Length Locus Sp:STS AA Length	254 Name MOUSE Score	1.3e-38 Acc# P50427 Probability	

ORF Name	NTID AAID	NT AA Score Probability Length Length	
3930163_c3_129	2223 7445	313 942 167 4.3e-10	
Protein name		Locus Name Acc#	
transmembrane sen	sor	gp:AF051691 AF05169	1.
Description			
Pseudomonas aerug transmembrane sens (fiuA) genes, comp	or (fiuR), and hydro	A (psfA), ECF sigma factor(fiuI), examate-typeferrisiderophore receptor	
ORF Name	NTID AAID	NT AA Score Probability	
3937927_f3_83	2224 7446	99 300 106 1.3e-05	
Protein name		Locus Name Acc#	
unknown		gp:SPU59236 U59236	
Description			
ORF231, ORF341, ca	rboxyltransferase al	ein S1 of 30S ribosome (rps1),ORF271, pha subunit (accA),ORF245, ORF227, an pletecds, and ORF205 gene, partial	.d
		NT AA Score Probability	
ORF Name	NTID AAID	Length Length	
3985936 <u></u> c3 <u></u> 128	2225 7447	195 588 163 4.7e-12	
Protein name		Locus Name Acc#	
RNA polymerase si	gma factor SigZ-like	gp:AF137263 AF13726	3
Description			
Bacteroides theta gene cluster, and complete cds.	iotaomicron 30S ribo RNA polymerase sigma	osomal protein S16-likeprotein, fucose a factorSigZ-like protein (sigZ) genes	,

			NT	AA Score Probability	
ORF Name	NTID	AAID	Length	Length Ecole Floods First	
4117167_c3_130	2226	7448	1128 3	737 4.6e-71]
Protein name				Locus Name Acc#	
receptor antigen	(RagA)			gp:PGI130872 AJ130872	
Description					
Porphyromonas gin immunodominant 55k		receptor	antigen	(rag) locus encodinga major	
			NT	AA Score Probability	
ORF Name	NTID	AAID	Length	Length Score Probability	
4875001_c2_126	2227	7449	493	172 9.1e-14]
Protein name				Locus Name Acc#	
unknown	×			gp:U96771 U96771	
Description					
				e,B-1,4-endoglucanase, and	
mannanaa aanaa a	ommloto ada.	and unkr	noumanas		
mannanase genes, c	omplete cds;	and unkr	nowngenes	3.	
ORF Name	NTID	AAID	NT Length	AA Score Probability	
	NTID		NT Length	AA Score Probability]
ORF Name	NTID	AAID	NT Length	AA Score Probability]
ORF Name 5941260c2106	NTID	AAID	NT Length	AA Score Probability Length 500 557 8.3e-54]
ORF Name 5941260c2106	NTID	AAID	NT Length	AA Score Probability 500 557 8.3e-54 Locus Name Acc#]
ORF Name 5941260_c2_106 Protein name	NTID	AAID 7450	NT Length	AA Score Probability 500 557 8.3e-54 Locus Name Acc#]
ORF Name 5941260c2106 Protein name Description	NTID	AAID 7450	NT Length	AA Length Score Probability 500 557 8.3e-54 Locus Name Acc# sp:GCH1_SYNY3 Q55759	
ORF Name 5941260c2106 Protein name Description	NTID	AAID 7450	NT Length 199	AA Score Probability 500 557 8.3e-54 Locus Name Acc#]
ORF Name 5.9.4126.0	NTID 2228 E I, (GTP-CH	<u>AAID</u> 7450	NT Length 199 (AA Score Probability AA Score Probability Boo Strain Acc# Sp:GCH1_SYNY3 Q55759 AA Score Probability]
ORF Name 5.94126.0	NTID 2228 E I, (GTP-CH	<u>AAID</u> 7450 H-I) <u>AAID</u>	NT Length 199 (AA Score Probability Locus Name Acc# sp:GCH1_SYNY3 Q55759 AA Length Score Probability]
ORF Name 5.94126.0	NTID 2228 E I, (GTP-CH	<u>AAID</u> 7450 H-I) <u>AAID</u>	NT Length 199 (AA Score Probability Locus Name Acc# Sp:GCH1_SYNY3 Q55759 AA Length Score Probability AA Length 168 1.2e-11]
ORF Name 5.94126.0	NTID 2228 E I, (GTP-CH	<u>AAID</u> 7450 H-I) <u>AAID</u>	NT Length 199 (AA Length Score Probability Locus Name Acc# Sp:GCH1_SYNY3 Q55759 AA Length Score Probability Locus Name Acc# Length AA Length Acc# Locus Name Acc#]

	•		$\underline{\mathtt{nT}}$	AA .	Score	Probability	
ORF Name	NTID	AAID	Length	Length			
9953161_c1_87	2230	7452	542	.629	171	4.3e-13	
Protein name				Locus	Name	Acc#	
unknown				gp:U96	771	U96771	
Description							
Prevotella bryant	ii putative	polygala	cturonase	∋,B-1,4-∈	ndogluca	anase, and	
mannanase genes, c	omplete cds	; and unk	nowngenes	· .			
			NTTD.	7\ 7\			
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
11953382_f2_22	2231	7453	133	102	98	0.00012	
Protein name				Locus	s Name	Acc#	
hypothetical prot	ein F19H6.4			pir:T2	1123	T21123	
Description							
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
ORF Name	·	<u>AAID</u> 7454	Length		Score	Probability	
	· .		Length	Length	Score S Name	Probability Acc#	
14507137_f1_12	· .		Length	Length	2		
14507137 <u></u> £1 <u></u> 12	· .		Length	Length	2		
14507137_f1_12	· .		Length	Length	2		
Protein name Description	· .		Length	Length 506 Locus	s Name	Acc#	
Protein name Description	· .		Length	Length	2		
Protein name Description NO-HIT		7454	Length 201 NT Length	Length Locus	s Name	Acc#	
Protein name Description NO-HIT ORF Name		7454 AAID	Length 201 NT Length	Length Locus AA Length	S Name	Acc# Probability	
Protein name Description NO-HIT ORF Name 16116655c276		7454 AAID	Length 201 NT Length	Length Locus AA Length	Score 323 S Name	Acc# Probability 5.2e-29	
Protein name Description NO-HIT ORF Name 16116655c276		7454 AAID	Length 201 NT Length	Length Locus AA Length Locus Locus	Score 323 S Name	Acc# Probability 5.2e-29 Acc#	

ORF Name	NTID AAID	NT AA Score Prob	ability
16832885 f1_18	2234 7456		2e-166
Protein name		Locus Name	Acc#
hypothetical prote	ein	pir:JQ1020	JQ1020
Description			
		27	
ORF Name	NTID AAID	NT AA Score Prob Length Length	ability
16882762 <u></u> c155	2235 7457	291 876 112 0.	0015
Protein name		Locus Name	Acc#
hypothetical prote	∍in	pir:T29116	T29116
Description			
		NT AA Score Prob	ability
ORF Name	NTID AAID	Length Length	
16884630 <u>f1</u> 1	2236 7458	88 267 123 5.	6e-07
Protein name		Locus Name	Acc#
probable oxidored	ıctase	pir:F70970	F70970
Description			
	AVIII AATO	NT AA Score Prob	ability
ORF Name	NTID AAID 12237 7459		6e-07
168864053107	2237 7459		Acc#
Protein name	oin DH1073	Locus Name • pir:F71101	F71101
hypothetical prot Description	EIII FIIIO/3	pii.r/iivi	1,1101
Description			
ORF Name	NTID AAID	NT <u>AA</u> Score Prob Length Length	oability
20901531 <u></u> c3 <u></u> 99	2238 7460	271 816 1030 6.	3e-104
Protein name		Locus Name	Acc#
thymidylate synth	ase	gp:NGU86637	U86637
Description			
Neisseria gonorrh	oeae thymidylate syn	nthase (thyA) gene, completecd	s.

ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
22165933_c1_51 Protein name	2239	7461	190	Locus	Name	Acc#	
Description	-						
NO-HIT							
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
22860128t234	2240	7462	83	252	64	0.031	
Protein name				Locus	Name	Acc#	
				sp:SPR	_XENLA	P36378	
Description						-	
(OSTEONECTIN) (ON)	(BASEMENT	MEMBRANE	PROTEIN	BM-40)			
			NT	AA		D 1 1 1	
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
ORF Name 23.7.03.40£33.7	<u>NTID</u> 2241	<u>AAID</u> 7463	Length		Score	Probability 8.7e-59	
			Length	Length	*		
23.7.03.40£33.7	2241		Length	Length	604 s Name	8.7e-59	
2370340f337 Protein name	2241		Length	Length Locus	604 s Name	8.7e-59 <u>Acc#</u>	
Protein name probable oxidoreduc	2241		Length	Length Locus pir:F70	604 s Name	8.7e-59 <u>Acc#</u>	
Protein name probable oxidoreduc	2241		Length	Length Locus	604 s Name	8.7e-59 <u>Acc#</u>	
23.70340f337 Protein name probable oxidoreduce Description	2241 etase	7463	Length 526 NT Length	Length Locus pir:F70	604 S Name	8.7e-59 Acc# F70970	
Protein name probable oxidoreduce Description ORF Name	2241 Ptase	7463 AAID	Length 526 NT Length	Length Locus pir:F70 AA Length	Score	8.7e-59 Acc# F70970 Probability	
Protein name probable oxidoreduce Description ORF Name	2241 Ptase	7463 AAID	Length 526 NT Length	Length Locus Pir:F70 AA Length Locus Locus	604 S Name 0970 Score	8.7e-59 Acc# F70970 Probability 8.0e-17	
Protein name probable oxidoreduce Description ORF Name	2241 Ptase	7463 AAID	Length 526 NT Length	Length Locus Pir:F70 AA Length Locus Locus	Score 208 Name	8.7e-59 Acc# F70970 Probability 8.0e-17 Acc#	

ORF Name	NTID AAID	NT AA Length Length Score	Probability
24509675_f3_44 Protein name	2243 7465	Locus Name	Acc#
Description			
NO-HIT			
ORF Name	NTID AAID	NT AA Length Length Score	Probability
26382062 <u></u> .£1 <u></u> 6	2244 7466	239 720 139	2.2e-07
Protein name		Locus Name	Acc#
siderophore-media	ted iron transport p	rotein pir:F71829	F71829
Description			
ORF Name	NTID AAID	NT AA Score Length Length	Probability
32244077 <u></u> £3 <u></u> 38	2245 7467	290 873 377	9.9e-35
Protein name		Locus Name	Acc#
UBE-la		gp:AB030503	AB030503
Description			
Mus musculus mRNA	for UBE-1a, complet	e cds.	
ORF Name	NTID AAID	NT AA Length Length Score	Probability
3242201 <u></u> £2 <u></u> 30	2246 7468	69 210	
Protein name		Locus Name	Acc#
Description			
NO-HIT	°	<u> </u>	
		NT AA Coord	
ORF Name	NTID AAID	Length Length Score	Probability
34417255f111	2247 7469	158 477 107	0.00056
Protein name		Locus Name	Acc#
hypothetical prot	ein PH1889	pir:D71202	D71202
Description			

			NT	AA		
ORF Name	NTID	AAID	Length	Length	Score	Probability
34504015_f1_8	2248	7470	244	735		
Protein name				Locus	s Name	Acc#
Description						
NO-HIT						
ORF Name	NTID	AAID	<u>NT</u> Length	AA Length	Score	Probability
3.45.7.3.3.8.5£343	2249	7471	347	1044	517	1.4e-49
Protein name				Locus	s Name	Acc#
bifunctional short diphosphate synthas				pir:F69	9535	F69535
Description				1		
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
3.5.7.5.6.5.6.2 <u>t3</u> 3.6	2250	7472	457	1374	972	8.8e-98
Protein name				Locus	Name	Acc#
citrate synthase				gp:AF08	38222	AF088222
Description			£			
Lactococcus lacti					nitateh	ydratase, and
truncated isocitra		enase gen	es, compi	rececus.	-	
			NT	AA	Score	Probability
ORF Name	NTID	AAID	Length	Length	DCOTE	110DGD111cy
36367125 <u></u> ±1 <u></u> .16	2251	7473	160	183	311	9.7e-28
Protein name				Locus	s Name	Acc#
				sp:ASN	_HAEIN	P44337
Description	·					
REGULATORY PROTEI	N ASNC	, <u>.</u>				

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	NT AA Score Probability
ORF Name	NTID AAID Length Length
4428518_c1_67	2252 7474 317 954 428 3.9e-40
Protein name	Locus Name Acc#
LytB protein	pir:G70449 G70449
Description	
	NT AA Grana Brobability
ORF Name	NTID AAID Length Length Score Probability
4881510 <u></u> c3 <u></u> 109	
Protein name	Locus Name Acc#
	sp:KCY_BACSU P38493
Description	
(CMP KINASE)	
ORF Name	$rac{ ext{NT}}{ ext{NTID}}$ $rac{ ext{AA}}{ ext{Length}}$ $rac{ ext{Score}}{ ext{Length}}$ $rac{ ext{Probability}}{ ext{Probability}}$
5114062 <u></u> c3 <u></u> 111	
Protein name	Locus Name Acc#
	sp:K6P1_THETH P21777
Description	
(PFK1)	
	NIII 2.2
ORF Name	$rac{ ext{NT}}{ ext{NTID}}$ $rac{ ext{AA}}{ ext{AAID}}$ $rac{ ext{Length}}{ ext{Length}}$ $rac{ ext{Score}}{ ext{Core}}$
5884637 <u>f1</u> 9	
Protein name	Locus Name Acc#
	sp:YABD_BACSU P37545
Description	*
HYPOTHETICAL 29	.2 KD PROTEIN IN METS-KSGA INTERGENIC REGION

	ORF Name	NTID AAID	NT AA Score	Probability
Description NO-HIT	829417_£1_13	2256 7478	61 186	
No-HIT	Protein name		Locus Name	Acc#
ORF Name NTID AAID Length Length Score Probability PR94067_C2_78 2257 7479 213 642 [130 4.5e-06 Protein name Locus Name Acc# hypothetical protein pir:T29116 T29116 Description NTID AAID NT AA NT Name NTID AAID Length Length Score Probability Protein name Locus Name Acc# Acc# Censerved hypothetical protein AF2231 pir:G69528 G69528 Description NTID AAID Length Length Score Probability ORF Name NTID AAID Length Length Acc# Description NO-HIT AAID Length Length Score Probability ORF Name NTID AAID Length Length Score Probability ORF Name NTID AAID Length Length Length Protein name	Description			
ORF Name NTID AAID Length Length Score Probability SB34067_G2_J8	NO-HIT			
ORF Name NTID AAID Length Length Score Probability SB34067_G2_J8			NT AA	
Protein name	ORF Name	NTID AAID	- Score	Probability
Nypothetical protein Description Descr	98.94.06.7 <u></u> c2 <u></u> 7.8	2257 7479	213 642 130	4.5e-06
Description	Protein name		Locus Name	Acc#
ORF Name NTID AAID Length Length Score Probability L0555302_t3_105 2258 7480 350 1053 255 8.4e-22 Protein name Locus Name Acc# conserved hypothetical protein AF2231 pir:G69528 G69528 Description NTID AAID Length Score Probability ICT5.7817_c1_149 2259 7481 152 459 Protein name Acc# Description NO-HIT NO-HIT Length Length Score Probability IOSD5308_c2_174 2260 7482 62 189 Protein name Acc# Description Description Locus Name Acc#	hypothetical prote	ein	pir:T29116	T29116
ORF Name NTID AAID Length Length Score Probability L0555302_t3_105 2258 7480 350 1053 255 8.4e-22 Protein name Locus Name Acc# Conserved hypothetical protein AF2231 pir:G69528 G69528 Description NTID AAID Length Score Probability ID757817_G1_149 2259 7481 152 459 Protein name Acc# Description NO-HIT NO-HIT AAID NTID AAID Length Score Probability ORF Name NTID AAID Length Length Score Probability ID8053308_G2_174 2260 7482 62 189 Protein name Acc# Description Description Locus Name Acc#	Description			. *
DESCRIPTION NTID AAID Length Length Length	. "		NT AA Score	Probability
Protein name	ORF Name	NTID AAID	Length Length	11000011101
Description	10555302f3105	2258 7480	350 1053 255	8.4e-22
Description NTID AAID NTID AAA Length Length Score Probability 1.0.75.781.7c1149	Protein name		Locus Name	Acc#
ORF Name NTID AAID Length Length Score Probability 10.75.7817c1149	conserved hypothe	tical protein AF2231	pir:G69528	G69528
ORF Name NTID AAID Length Length Score Probability 10.75.7817cl149	Description			
ORF Name NTID AAID Length Length Score Probability 10.75.7817cl149				
Protein name Locus Name Acc# Description NO-HIT NT AA Score Probability ORF Name NTID AAID Length Length Score Probability 10805308_c2_174 2260 7482 62 189 Protein name Locus Name Acc# Description	ORF Name	NTID AAID	— Score	Probability
Description NO-HIT NT AA Score Probability ORF Name NTID AAID Length Length Probability 10805308c2174	10.7.5.7.8.1.7	2259 7481	152 459	
NO-HIT NT AA Score Probability 10805308_c2_17.4 2260 7482 62 189 Protein name Locus Name Acc# Description	Protein name		Locus Name	Acc#
NO-HIT NT AA Score Probability 10805308_c2_17.4 2260 7482 62 189 Protein name Locus Name Acc# Description	Description			
ORF Name NTID AAID Length Length Score Probability 108.05.3.08c21.74				
ORF Name NTID AAID Length Length Score Probability 108.05.3.08c21.74				
Protein name Locus Name Acc# Description	ORF Name	NTID AAID	- Score	Probability
Description	10805308 <u></u> c2 <u></u> 174	2260 7482	62 189	
	Protein name	9	Locus Name	Acc#
NO-HIT	Description			
	NO-HIT			

ORF Name	NTID A	<u>NT</u> AID Length	AA Length Score	Probability
	2261 7483	3 705 2	2118 169	8.1e-10
Protein name			Locus Name	Acc#
immunoreactive 53	kD antigen PG12	23	gp:AF144641	AF144641
Description				
Porphyromonas ging complete cds.	ivalis strain (W50 immunoread	ctive 53 kD anti	genPG123 gene,
ORF Name	NTID A	<u>NT</u> AID <u>Length</u>	AA Length Score	Probability
12697180_c3_207	2262 7484	378	1137	
Protein name			Locus Name	Acc#
Description				
NO-HIT				
ORF Name	NTID A	<u>NT</u> AID Length	AA Length Score	Probability
16140752 <u></u> .£1 <u></u> .27	2263 748	5 69 2	210	
Protein name			Locus Name	Acc#
Description				
NO-HIT				
		NT	AA Score	Probability
ORF Name		AID Length	Length 405	
16.6210.87£110	2264 748	6 134		Acc#
Protein name			Locus Name	Αυσπ
Description				se*
NO-HIT			×	

			NT	AA		
ORF Name	NTID	AAID	<u>Length</u>	<u>Length</u>	Score	Probability
1954412_f1_29	2265 7	487	173 5	22	181	5.8e-14
Protein name				Locus	s Name	Acc#
RNA polymerase EC	F-type sigma	factor s	igW	pir:H69	9706	Н69706
Description						
			NT	AA	Score	Probability
ORF Name	NTID	AAID	<u>Length</u>	<u>Length</u>	BCOLE	TODADITION
22145627 <u>_c2_180</u>	2266 7	488	565 1	698	263	1.1e-19
Protein name				Locus	3 Name	Acc#
hypothetical prot	ein aq_1220			pir:C7	0405	C70405
Description						
			NT	AA		- 1 1 1 2 1 1
ORF Name	NTID	AAID	Length	Length	Score	Probability
23486536 <u></u> £2 <u></u> 65	2267	489	85 2	:58		
Protein name				Locus	s Name	Acc#
Description						
NO-HIT					-	
			NTT	AA		
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> <u>Length</u>	Score	Probability
23.7.0.4.6.7.5 <u></u> £3 <u></u> .11.4	2268	7490	551	L656	2162	6.9e-224
Protein name				Locu	s Name	Acc#
chaperonin groEL				pir:S4	7530	S47530
Description		2				
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
24347332 <u></u> £1 <u></u> 8	2269	7491	338	1017	896	9.9e-90
Protein name				Locu	s Name	Acc#
cysteine synthase	3			gp:MLC	B22	Z98741
Description						
Mycobacterium le	prae cosmid B	22.				

ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
24414553_c1_143	2270	7492	63	.92		
Protein name				Locus	Name	Acc#
Description						
NO-HIT						
			NT	AA		
ORF Name	NTID	AAID	Length	<u>Length</u>	Score	Probability
24415892 <u></u> c1121	2271	7493	181	46		
Protein name				Locus	Name	Acc#
Description						
NO-HIT						
			NT	AA		
ORF Name	NTID	AAID	Length	<u>Length</u>	Score	Probability
2463451 <u></u> £3 <u></u> 79	2272	7494	270	1.3		
2463451f379 Protein name	2272	7494	270		Name	Acc#
	2272	7494	270 8		Name	Acc#
Protein name	2272	7494	270 [8		Name	Acc#
Protein name Description	2272	7494		Locus	Name_	Acc#
Protein name Description	NTID	7494 AAID	NT Length		Name Score	Acc# Probability
Protein name Description NO-HIT ORF Name			NT Length	Locus		
Protein name Description NO-HIT ORF Name	NTID	AAID	NT Length	Locus AA Length	Score	Probability
Protein name Description NO-HIT ORF Name 24805302_f1_16	NTID 2273	AAID	NT Length	Locus AA Length	Score 432 Name	Probability

			NT	AA Tanash	Score	Probability	
ORF Name	NTID	AAID	Length	Length		1 1	_
24806517_f2_49	2274	7496	684 2	:055	231	1.6e-26	
Protein name				Locus	s Name	Acc#	
dipeptidyl peptid	ase III			gp:D893	340	D89340	
Description							
Rattus norvegicus	mRNA for d	ipeptidyl	peptidas	se III, c	complete	cds.	
			NT	AA			
ORF Name	NTID	AAID	<u>Length</u>	<u>Length</u>	Score	Probability	
25429837_c2_154	2275	7497	294	385	1200	6.1e-122	
Protein name				Locus	s Name	Acc#	
hypothetical prot	ein			pir:JQ	1020	JQ1020	
Description							
				3.7			
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
ORF Name 25585781_c3_234		<u>AAID</u> 7498	Length		Score	Probability 5.5e-12	
		7	Length	Length			
25585781 <u></u> c3 <u></u> 234		7	Length	Length 578 Locus	167	5.5e-12	
25585781 <u></u> c3 <u></u> 234		7	Length	Length 578 Locus	167 s Name	5.5e-12 <u>Acc#</u>	
25585781 <u></u> c3 <u></u> 234 Protein name	2276	7	Length	Length 578 Locus	167 s Name	5.5e-12 <u>Acc#</u>	
Protein name Description	2276	7	Length 225	Length Locus sp:Y37	167 s Name	5.5e-12 <u>Acc#</u> Q57819	
Protein name Description	2276	7	Length	Length 578 Locus	167 s Name	5.5e-12 <u>Acc#</u>	
25585781_c3_234 Protein name Description HYPOTHETICAL PROT	2276 PEIN MJ0374 NTID	7498	Length 225 NT Length	Length Locus sp:Y37	167 s Name 4_METJA	5.5e-12 <u>Acc#</u> Q57819	
Protein name Description HYPOTHETICAL PROT	2276 PEIN MJ0374 NTID	7498 AAID	Length 225 NT Length	Length Locus Sp:Y37	167 s Name 4_METJA	5.5e-12 <u>Acc#</u> Q57819	
Protein name Description HYPOTHETICAL PROT ORF Name 25641942_c3_219	2276 PEIN MJ0374 NTID	7498 AAID	Length 225 NT Length	Length Locus Sp:Y37	167 s Name 4_METJA Score	5.5e-12 Acc# Q57819 Probability	

1	NULL AATO	NT AA Score	Probability
ORF Name	NTID AAID		1.1e-17
25911662_f2_52	2278 7500	166 501 216	
Protein name		Locus Name	Acc#
		sp:FUR_CAMJE	
Description			
FERRIC UPTAKE REG	ULATION PROTEIN (FER	RIC UPTAKE REGULATOR)	
		NT AA G	
ORF Name	NTID AAID	Length Length Score	Probability
25978462_c1_142	2279 7501	608 1827 1308	2.2e-133
Protein name		Locus Name	Acc#
		sp:RECQ HAEIN	P71359
Description			,
ATP-DEPENDENT DNA	S UPITCASE PECO		
AIP-DEPENDENT DNE	THEBICADE KECKY		
ORF Name	NTID AAID	NT AA Score	Probability
26598467t3106	2280 7502	194 585	
Protein name		Locus Name	Acc#
Description			
NO-HIT		,	
		NT AA	Possib shall days
ORF Name	NTID AAID	Length Length Score	Probability
2923517 <u></u> f1 <u></u> 17	2281 7503	395 1188	
Protein name		Locus Name	ACC#
Description			
NO-HIT			

	MILLO A	NT Longth	AA Score	Probability
ORF Name		AID Length	Length —	
29455156_c1_129	2282 7504	624	1875 434	2.1e-40
Protein name			Locus Name	Acc#
acylamino-acid-re			pir:H75007	H75007
(acyl-peptide hydro				
Description				
ORF Name	NTID A	AID Length	AA Length Score	Probability
29926562_c3_208	2283 750	5 276	831	
Protein name			Locus Name	Acc#
Description				
NO-HIT		·		
) L				
		NTT	7.7	
ORF Name	NTID A	<u>NT</u> AID Length	AA Length Score	Probability
ORF Name 3.14477.02_c1_128		AID Length	— Score	Probability 2.9e-51
*		AID Length	Length Score	, *
314477.02_c1_128	2284 750	AID Length	Length Score Score 535	2.9e-51
31447702_c1_128 Protein name	2284 750	AID Length	Length Score Score	2.9e-51 <u>Acc#</u>
Protein name immunoreactive 89	2284 7500 KD antigen PG87	AID Length 6 273	Length Score Score	2.9e-51 Acc# AF175722
Protein name immunoreactive 891 Description Porphyromonas gine	2284 7500 KD antigen PG87	AID Length 6 273 W50 immunorea	Length Score Score	2.9e-51 Acc# AF175722
Protein name immunoreactive 891 Description Porphyromonas gine	2284 7500 Antigen PG87	AID Length 6 273	Length Score Score	2.9e-51 Acc# AF175722
Protein name immunoreactive 891 Description Porphyromonas ging complete cds.	2284 7500 Antigen PG87 Givalis strain	AID Length 6 273 W50 immunorea NT AID Length	Length Score Length Score 822 535 Locus Name gp:AF175722 ctive 89kD antig	2.9e-51 Acc# AF175722 enPG87 gene,
Protein name immunoreactive 891 Description Porphyromonas gine complete cds. ORF Name	2284 7500 Antigen PG87 Givalis strain	AID Length 6 273 W50 immunorea NT AID Length	Length Score Length Score 822 535 Locus Name gp:AF175722 ctive 89kD antig AA Score Length Score	2.9e-51 Acc# AF175722 enPG87 gene,
Protein name immunoreactive 89 Description Porphyromonas ging complete cds. ORF Name 3323437_f2_77	2284 7500 Antigen PG87 Givalis strain	AID Length 6 273 W50 immunorea NT AID Length	Length Score Length Score 822 535 Locus Name gp:AF175722 ctive 89kD antig AA Length Score 1038	2.9e-51 Acc# AF175722 enPG87 gene, Probability

ORF Name	NTID AAID	<u>NT</u> <u>AA</u> Length Length	Score	Probability	
33238187_c2_159	7 2286 7508				
Protein name			ıs Name	Acc#	
		1000	io mane	<u>1100#</u>	
Description					
NO-HIT					-
ORF Name	NTID AAID	<u>NT</u> <u>AA</u> Length Length	Score	Probability	
3328.7.7.75 <u></u> c2 <u></u> 158	. 2287 7509	506 1521			
Protein name		Locu	ıs Name	Acc#	
Description					
NO-HIT					
		NT AA			
ORF Name	NTID AAID	Length Length	Score	Probability	
33402001 <u></u> c2 <u></u> 160	. 2288 7510	375 1128			
Protein name		Locu	ıs Name	Acc#	
Description					
NO-HIT			20		
		NTI 7. 7.			
ORF Name	NTID AAID	<u>NT</u> <u>AA</u> Length Length	Score	Probability	
35781576 <u>f1</u> 30	. 2289 7511	297 894	582	1.9e-56	
Protein name		Locu	s Name	Acc#	
conserved hypothet	ical protein	pir:D7	5557	D75557	
Description				* * *	
		NTT 7.70			_
ORF Name	NTID AAID	<u>NT AA</u> Length Length	Score	Probability	
3906380_f2_54	. 2290 7512	69 210	70	0.033	
Protein name		Locu	s Name	Acc#	
hypothetical prote	in Y68A4B.3	pir:T2	7307	T27307	
Description					

			NT	AA	~	D 1 1 1 7 1 1	
ORF Name	NTID	AAID	Length	<u>Length</u>	Score	Probability	
4022312_f3_113	2291	7513	93	282	393	2.0e-36	
Protein name				Locus	s Name	Acc#	
				sp:CH10	PORGI	P42376	
Description							
10 KD CHAPERONIN (PROTEIN C	PN10) (PRO	TEIN GRO	ES)			
			NT	7.7			
ORF Name	NTID	AAID	<u>Length</u>	<u>AA</u> Length	Score	Probability	
4695302_c2_175	2292	7514	422	1269			
Protein name				Locus	s Name	Acc#	
Description							
NO-HIT							
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
4718760 <u></u> ±3 <u></u> 88	2293	7515	300	903	193	4.1e-13	
Protein name				Locus	s Name	Acc#	
conserved hypothet	ical prote	ein MTH83		pir:F6	9210	F69210	
Description							
			NT	<u>AA</u>	Score	Probability	· ·
ORF Name	NTID	AAID	Length	Length			
4.798465f126	. 2294	7516	386	1161	291	1.3e-25	
			<u> </u>				
Protein name			<u> </u>		s Name	Acc#	
Protein name conserved hypothet Description		ein		Locus		Acc# C72340	

ORF Name	NTID AAID	NT AA Length Length Score Probability	
4883437_£1_15	2295 7517	426 1281 967 3.0e-97]
Protein name		Locus Name Acc#	
		sp:PURA_YEAST P80210	
Description			
ADENYLOSUCCINATE	SYNTHETASE, (IMPAS	PARTATE LIGASE)	
		NT AA	
ORF Name	NTID AAID	Length Length Score Probability	
526637_±3_96	2296 7518	457 1374 429 3.0e-40].
Protein name		Locus Name Acc#	
probable glycosy	'l hydrolase	pir:T36467 T36467	
Description			
ORF Name	NTID AAID	NT AA Length Length Score Probability	
5351687 <u>f2_</u> 67	2297 7519	68 207	
Protein name		Locus Name Acc#	
Description			
NO-HIT			
		NT AA Cook Doobahilita	
ORF Name	NTID AAID	Length Length Score Probability	
643818 <u></u> 233	2298 7520	504 1515 424 5.9e-42]
Protein name		Locus Name Acc#	
		sp:YC46_HAEIN P44135	
Description		¥1	
HYPOTHETICAL PRO	TEIN HI1246	-	- 4

		NT AA Saara	Drobabilitu
ORF Name	NTID AAID	Length Length Score	Probability
6462751_f2_50	2299 7521	221 666	
Protein name		Locus Name	Acc#
Description			
NO-HIT			
ORF Name	NTID AAID	NT AA Length Length Score	Probability
7222125c3218	. 2300 7522	474 1425 545	1.6e-52
Protein name		Locus Name	Acc#
putative secreted	protein	gp:SCM11	AL133278
Description			
Streptomyces coeli	color cosmid M11.		. 5
		NT AA	
ORF Name	NTID AAID	Length Length Score	Probability
822137 <u></u> c2195	. 2301 7523	713 2142 121	5.4e-10
Protein name		Locus Name	Acc#
heme receptor		gp:VIBHUTA	L27149
Description			
Vibrio cholerae he	me receptor (hutA)	gene, complete cds.	
		NT AA C	
ORF Name	NTID AAID	Length Length Score	Probability
9797180 <u></u> £118	. 2302 7524	471 1416 535	1.5e-65
Protein name		Locus Name	Acc#
		sp:SYH_HUMAN	P12081
Description			

ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
9883507 c3 238	2303	7525	359	.080		
Protein name				Locus	Name	Acc#
					<u> </u>	210011
Description						
NO-HIT						
		····	NT	AA	Q	D
ORF Name	NTID	AAID	<u>Length</u>	<u>Length</u>	Score	Probability
9953556 <u></u> £3 <u></u> 91	2304	7526	158	177	135	3.2e-08
Protein name	A			Locus	Name	Acc#
response regulator				gp:SPA	16396	AJ006396
Description						
Streptococcus pneum	oniae rro	7 and hk0'	7 genes;	two comp	onent s	ystem07.
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
	<u>NTID</u>		NT Length	AA	Score	Probability 6.2e-113
ORF Name		AAID	NT Length	AA Length	1.1	
ORF Name 11906.705c16		AAID	NT Length	AA Length	1115 S Name	6.2e-113
ORF Name 11906.705c16 Protein name		AAID	NT Length	AA Length 912 Locus	1115 S Name	6.2e-113 <u>Acc#</u>
ORF Name 11906705_c1_6 Protein name beta-glucosidase	2305	<u>AAID</u> 7527	NT Length	AA Length 112 Locus gp:AF00	1115 Name	6.2e-113 <u>Acc#</u>
ORF Name 11906.705c16 Protein name beta-glucosidase Description	2305	<u>AAID</u> 7527	NT Length 303	AA Length D12 Locus gp:AF00	1115 Name	Acc# AF006658
ORF Name 11906.705c16 Protein name beta-glucosidase Description	2305	<u>AAID</u> 7527	NT Length	AA Length 112 Locus gp:AF00	1115 Name	6.2e-113 <u>Acc#</u>
ORF Name 11906.705_c1_6 Protein name beta-glucosidase Description Bacteroides fragili	2305	AAID 7527 ucosidase	NT Length gene, co	Locus Gp:AF00	1115 Name 06658	Acc# AF006658
ORF Name 11906.705c16 Protein name beta-glucosidase Description Bacteroides fragili	s beta-gl	AAID 7527 ucosidase AAID	NT Length gene, co	Length Locus pmplete complete complet	1115 Name 06658	Acc# AF006658
ORF Name 11906.705_c1_6 Protein name beta-glucosidase Description Bacteroides fragili ORF Name 1957.8130_f2_3	s beta-gl	AAID 7527 ucosidase AAID	NT Length gene, co	Length Locus pmplete complete complet	1115 S Name 06658 Cds. Score	Acc# AF006658 Probability
ORF Name 11906.705c16 Protein name beta-glucosidase Description Bacteroides fragili ORF Name 1957.8130t23	s beta-gl	AAID 7527 ucosidase AAID	NT Length gene, co	Length Locus pmplete complete complet	1115 S Name 06658 Cds. Score	Acc# AF006658 Probability

ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
1276700_f1_1	2307	7529	102 3	309		
Protein name				Locus	Name	Acc#
Description						
NO-HIT			·			
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
162937 <u></u> f2 <u></u> 83	2308	7530	707 2	124	1709	7.0e-176
Protein name				Locus	Name	Acc#
115K outer membrane protein	protein p	recursor:	:SusC	pir:JC6	027	JC6027
Description						
			-			
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
	<u>NTID</u>	<u>AAID</u> 7531	Length		Score 280	Probability
			Length	Length		
16500342 <u></u> c3 <u></u> 176	2309		Length	Length	280 Name	1.4e-39
16500342_c3_176 Protein name	2309		Length	Length 008 Locus	280 Name	1.4e-39 <u>Acc#</u>
Protein name hybrid histidine kir	2309	7531	Length 1335 4	Length 008 Locus gp:AF02	280 Name 9704	1.4e-39 <u>Acc#</u> AF029704
Protein name hybrid histidine kir Description	2309	7531	Length 1335 4 dine kina	Length 008 Locus gp:AF02 se (dhkD	280 Name 9704	Acc# AF029704 complete cds.
Protein name hybrid histidine kir Description	2309	7531	Length 1335 4	Length 008 Locus gp:AF02	280 Name 9704	1.4e-39 <u>Acc#</u> AF029704
Protein name hybrid histidine kir Description Dictyostelium discoi	nase	7531	Length 1335 4 dine kina NT Length	Length 008 Locus gp:AF02 se (dhkD	280 Name 9704	Acc# AF029704 complete cds.
Protein name hybrid histidine kir Description Dictyostelium discoi	nase ideum hybr	7531 id histic	Length 1335 4 dine kina NT Length	Length 008 Locus Gp:AF02 se (dhkD AA Length	280 Name 9704) mRNA, c	Acc# AF029704 complete cds. Probability
Protein name hybrid histidine kir Description Dictyostelium discoi ORF Name 19564077	2309 ideum hybr NTID	7531 id histic AAID 7532	Length 1335 4 dine kina NT Length	Length 008 Locus Gp:AF02 se (dhkD AA Length	280 Name 9704) mRNA, c Score 247 Name	Acc# AF029704 complete cds. Probability 2.1e-20

ORF Name	NTID AAID	NT AA Length Length Score Prob	ability
20830137_c2_135	2311 7533		9e-25
Protein name Sucrose transport	er 1	Locus Name gp:AF191024	Acc# AF191024
Description		32	
Asarina barclaian	a sucrose transporte	r 1 (SUT1) mRNA, complete cds.	
ORF Name	NTID AAID	NT AA Length Length Score Prob	ability
22534633_c3_175	2312 7534	1294 3885 1006 2.	8e-207
Protein name		Locus Name	Acc#
		sp:PUR4_DROME	P35421
Description			
(ADENOSINE-2) (FG	AMS) (FORMYLGLYCINAM	IDE RIBOTIDE SYNTHETASE)	·
(ADENOSINE-2) (FG	MTID AAID	NT A A	ability
	NTID AAID	NT AA Score Prob	ability
ORF Name	NTID AAID	NT AA Score Prob	
ORF Name 22712880_c1_123 Protein name	NTID AAID	NT AA Score Prob. Length Length 661 3. Locus Name	6e-62
ORF Name 22712880_c1_123 Protein name	NTID AAID 2313 7535	NT AA Score Problem 1021 3066 661 3. Locus Name	6e-62 <u>Acc#</u>
ORF Name 22712880_c1_123 Protein name cation efflux sys	NTID AAID 2313 7535	NT AA Score Problemath Score Problemath Length Score Problematics Scor	6e-62 <u>Acc#</u> F70342
ORF Name 22712880_c1_123 Protein name cation efflux sys	NTID AAID 2313 7535	NT AA Score Problemath Score Problemath Length Score Problematics Scor	6e-62 <u>Acc#</u>
ORF Name 22712880_c1_123 Protein name cation efflux sys Description	NTID AAID 2313 7535 tem (AcrB/AcrD/AcrF	NT AA Score Prob Length Length Score Prob Locus Name family) NT AA Score Prob	6e-62 <u>Acc#</u> F70342
ORF Name 22712880_c1_123 Protein name cation efflux sys Description ORF Name	NTID AAID 2313 7535 tem (AcrB/AcrD/AcrF	NT AA Score Problem Length Length Score Problem Locus Name family) pir:F70342 NT AA Score Problem Length Length Score Prob	6e-62 <u>Acc#</u> F70342
ORF Name 22712880c1123 Protein name cation efflux sys Description ORF Name	NTID AAID 2313 7535 tem (AcrB/AcrD/AcrF	NT AA Score Problem	Acc# F70342 ability

ORF Name	NTID AA	ID Length	AA Length Score	Probability
24486562_f2_36	2315 7537	165	498	
Protein name Description			Locus Name	Acc#
NO-HIT				
ORF Name	NTID AA	<u>NT</u> ID <u>Length</u>	$\frac{\underline{AA}}{\underline{Length}} \frac{\underline{Score}}{}$	Probability
24509680c3165	7538	354	1065 254	1.1e-21
Protein name			Locus Name	Acc#
cation efflux syste	em (czcB-like)		pir:C70415	C70415
Description				* * *
*		NT	AA a	
ORF Name	NTID AA	****	Length Score	Probability
ORF Name 24644812_c3_164		ID <u>Length</u>	— Score	Probability 5.2e-171
		ID <u>Length</u>	Length Score	
24644812 <u></u> c3 <u></u> 164		ID <u>Length</u>	Length Score 1663	5.2e-171
Protein name Description		ID <u>Length</u>	Length Score Locus Name Sp:YVDK_BACSU	5.2e-171 <u>Acc#</u>
24644812 <u></u> c3 <u></u> 164 Protein name		ID <u>Length</u>	Length Score Locus Name Sp:YVDK_BACSU	5.2e-171 <u>Acc#</u>
Protein name Description		ID <u>Length</u>	Length Score Length Score 2322 [1663] Locus Name sp:YVDK_BACSU RGENIC REGION	5.2e-171 <u>Acc#</u> 006993
Protein name Description		ID Length 773 LPP-CRH INTE	Length Score Length Score 2322 [1663 Locus Name sp:YVDK_BACSU RGENIC REGION	5.2e-171 <u>Acc#</u>
Protein name Description HYPOTHETICAL 88.3	Z317 7539 KD PROTEIN IN C NTID AA	ID Length 773 LPP-CRH INTE NT ID Length	Length Score Length Score 2322 [1663] Locus Name Sp:YVDK_BACSU RGENIC REGION AA Score	5.2e-171 <u>Acc#</u> 006993
Protein name Description HYPOTHETICAL 88.3	Z317 7539 KD PROTEIN IN C NTID AA	ID Length 773 LPP-CRH INTE NT ID Length	Length Score Length Score 2322 [1663] Locus Name Sp:YVDK_BACSU RGENIC REGION AA Score Length Score	5.2e-171 <u>Acc#</u> 006993
24644812_c3_164	Z317 7539 KD PROTEIN IN C NTID AA	ID Length 773 LPP-CRH INTE NT ID Length	Length Score Length Score 2322 [1663] Locus Name Sp:YVDK_BACSU RGENIC REGION AA Score Length Score	5.2e-171 <u>Acc#</u> 006993 Probability

ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
29892568_f3_91	2319	7541	80	243		
Protein name				Locus	s Name	Acc#
Description						
NO-HIT						
			NT	AA	Score	Probability
ORF Name	NTID	AAID	Length	Length		
30116437 <u></u> c3 <u></u> 163	2320	7542	341	L026	451	1.4e-42
Protein name				Locus	s Name	Acc#
transcription regul	ator, Lac	family		pir:F7	2282	F72282
Description /					,	× ,
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
ORF Name 3944562£390		<u>AAID</u> 7543	Length		Score	Probability 3.9e-63
			Length	Length		
3944562 <u></u> £3 <u></u> 90			Length	Length	645 S Name	3.9e-63
3944562f390 Protein name			Length	Length 340 Locus	645 S Name	3.9e-63 <u>Acc#</u>
3944562f390	2321	7543	Length	Length Locus gp:AF18	645 S Name 34956	3.9e-63 <u>Acc#</u>
3944562_f3_90 Protein name YngK Description	2321	7543	Length 279 R , complet	Length Locus gp:AF1s ce sequer	645 S Name 34956	3.9e-63 <u>Acc#</u>
3944562_f3_90 Protein name YngK Description	2321	7543	Length	Length Locus gp:AF18	645 S Name 34956	3.9e-63 <u>Acc#</u>
3944562_f3_90 Protein name YngK Description Bacillus subtilis m	2321	7543	Length 279 Complete NT Length	Length Locus gp:AF1s te sequer	645 S Name 34956	3.9e-63 <u>Acc#</u> AF184956
Protein name YngK Description Bacillus subtilis m	2321 nycosubtil: NTID	in operon	Length 279 , complete NT Length	Length Locus gp:AF18 ce sequer AA Length	645 S Name 34956 Ace. Score	Acc# AF184956 Probability
Protein name YngK Description Bacillus subtilis m ORF Name	nycosubtil:	in operon AAID 7544	Length 279 , complete NT Length	Length Locus gp:AF18 ce sequer AA Length	645 S Name 84956 Ace. Score 1529 S Name	3.9e-63 Acc# AF184956 Probability 4.7e-234

).TEL 2.7		
ORF Name	NTID AAID	NT AA Length Length	Score Probability	
4583338_±3_84	2323 7545	256 771	7.9e-26	
Protein name		Locus	Name Acc#	
H. influenzae pre	edicted coding region	on HI1127 gp:U327	92	
Description			*	
Haemophilus infl	uenzae Rd section 1	07 of 163 of the cor	mpletegenome.]
ORF Name	NTID AAID	<u>NT</u> <u>AA</u> Length Length	Score Probability	
5109662_c1_128	2324 7546	184 555	254 1.1e-21	
Protein name		Locus	Name Acc#	
probable chromate	e transport protein	pir:C70	C70068	
Description				
		•		
ORF Name	NTID AAID	NT AA Length Length	Score Probability	
5110712 <u></u> c1 <u></u> 124	2325 7547	426 1281	182 5.2e-11	
Protein name	(*	Locus	Name Acc#	
immunoreactive 52	2kD antigen PG41	gp:AF17	AF175716	
Description				
Porphyromonas gir	ngivalis strain W50	immunoreactive 52kl	antigenPG41 gene,	1
comprete cus:				
		377		
ORF Name	NTID AAID	<u>NT</u> <u>AA</u> Length Length	Score Probability	
7.032127 <u></u> £2 <u></u> 70	2326 7548	89 270		
Protein name		Locus	Name Acc#	
Description				
NO-HIT				1
L				

ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
838142_f1_4	2327	7549	254	765	374	2.1e-34	7
Protein name				Locus	Name	Acc#	_
YngK				gp:AF18	34956	AF184956	
Description	· · · · · · · · · · · · · · · · · · ·						
Bacillus subtilis	mycosubtili	in operon	, complet	e sequer	ice.		
			NT	AA	Score	Probability	
ORF Name	NTID	AAID	<u>Length</u>	Length	BCOTC	riobability	
17048331_c3_60	2328	7550	406	1221	367	1.2e-32]
Protein name				Locus	Name	Acc#	
				sp:AMP1	_STRLI	Q11010	
Description							•
(ALANINE AMINOPEP	TIDASE)						
	,		NT	AA			_
ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability	
	NTID	<u>AAID</u> 7551	Length		Score	Probability 2.0e-07	_
ORF Name	NTID		Length	Length		- * , *]
ORF Name 24644575_c1_50	NTID		Length	Length	155 Name	2.0e-07]
ORF Name 24644575_c1_50	NTID		Length	Length 569 Locus	155 Name	2.0e-07 <u>Acc#</u>]
ORF Name 24644575_cl_50 Protein name	NTID 2329	7551	Length	Length 569 Locus	155 Name	2.0e-07 <u>Acc#</u>]
ORF Name 24644575_cl_50 Protein name Description	NTID 2329	7551	Length [522]	Length 569 Locus sp:AAP1	155 Name	2.0e-07 <u>Acc#</u>]
ORF Name 24644575_cl_50 Protein name Description	NTID 2329	7551	Length	Length 569 Locus	155 Name	2.0e-07 <u>Acc#</u>]
ORF Name 24644575_cl_50 Protein name Description ALANINE/ARGININE	NTID 2329 AMINOPEPTIDA NTID	7551 ASE,	Length 522 NT Length	Length 569 Locus Sp:AAP1	155 NameYEAST	2.0e-07 Acc# P37898	
ORF Name 24644575_cl_50 Protein name Description ALANINE/ARGININE A	NTID 2329 AMINOPEPTIDA NTID	ASE,	Length 522 NT Length	Length Locus Sp:AAP1 AA Length	155 S Name YEAST Score	2.0e-07 Acc# P37898 Probability]
ORF Name 24644575_cl_50 Protein name Description ALANINE/ARGININE A ORF Name	NTID 2329 AMINOPEPTIDA NTID 2330	7551 ASE, AAID 7552	Length 522 1 NT Length 415 1	Length Locus Sp:AAP1 AA Length	Score 651 Name	2.0e-07 Acc# P37898 Probability 2.1e-66	

			NT	<u>AA</u>	Score	Probability
ORF Name	NTID	AAID	Length	<u>Length</u>		A.
26365961_c1_47	2331	7553	470	1413	139	2.1e-07
Protein name				Locus	s Name	Acc#
receptor antigen H	3 (RagB)			gp:PGI	130872	AJ130872
Description						•
Porphyromonas ging immunodominant 55kl	='		antigen	(rag) lo	ocus enc	odinga major
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
29350375_c3_59	2332	7554	468	1407	345	1.9e-30
Protein name				Locus	s Name	Acc#
hypothetical prote	ein TP0851			pir:C7	1274	C71274
Description						
			NT	AA		
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
ORF Name 31496067c149		<u>AAID</u> 7555	Length		Score	Probability
7			Length	Length	Score S Name	Probability Acc#
31496067 <u></u> c1 <u></u> 49			Length	Length		
31496067c149 Protein name			Length	Length		
31496067_c1_49 Protein name Description			Length	Length 684 Locus		
31496067_c1_49 Protein name Description			Length	Length		
31496067c149 Protein name Description NO-HIT	2333 <u>NTID</u>	7555	Length 227 NT Length	Length 684 Locus	s Name	Acc#
31496067_c1_49Protein name Description NO-HIT ORF Name	2333 <u>NTID</u>	7555 AAID	Length 227 NT Length	Length Locus AA Length	S Name	Acc# Probability
31496067c149 Protein name Description NO-HIT ORF Name 33439010c357		AAID 7556	Length 227 NT Length 982	Length Locus AA Length	Score 448 Name	Acc# Probability 4.6e-86

NT AA .	
ORF Name NTID AAID Length Length Score Probab	oility
4738761_c2_55 2335 7557 433 1299 1622 1.26	e-166
Protein name Locus Name	Acc#
fumarate hydratase, fumB, iron-dependent:fumarase B	
Description	
NIII 22	
	oility
48828124c14 2336 7558 178 537 410 3.1e	e-38
Protein name Locus Name	Acc#
hypothetical protein F36H12.3 pir:T33457 T	33457
Description	
ORF Name NTID AAID Length Length Score Probak	oility
48828124c2_52337 7559 179 540 407 6.5e	e-38
Protein name Locus Name I	Acc#
hypothetical protein F36H12.3 pir:T33457	33457
Description	
ORF Name NTID AAID Length Length Score Probab	oility
48828124_c3_62338 7560 188 567 412 1.9e	2-38
Protein name Locus Name I	Acc#
hypothetical protein F36H12.3 pir:T33457	33457
Description	
	oility
[4485917 <u>c23</u>	
Protein name Locus Name A	Acc#
Description	<i>y</i>
NO-HIT	

		NT AA Gora Brahahilita
ORF Name	NTID AAID	Length Length Score Probability
10742905_£2_80	2340 7562	97 294 105 4.2e-05
Protein name	,	Locus Name Acc#
conserved hypothet	tical protein	pir:A72220 A72220
Description		
		NT AA Score Probability
ORF Name	NTID AAID	Length Length
11210313 <u></u> .c3 <u></u> 276	2341 7563	281 846 645 3.9e-63
Protein name		Locus Name Acc#
CysQ protein		pir:A70330 A70330
Description		
ORF Name	NTID AAID	NT AA Score Probability
11796.876c3240		159 480
Protein name		
		Locus Name Acc#
Description		
NO-HIT		
ORF Name	NTID AAID	NT AA Score Probability
1296950 <u></u> c2 <u></u> 225	2343 7565	522 1569 381
Protein name		Locus Name Acc#
		sp:Y640 SYNY3 P72958
Description		*
HYPOTHETICAL 66.7	KD PROTEIN SLL0640	
		NT AA Darkahilii
ORF Name	NTID AAID	NT AA Score Probability
ORF Name 1348563_c1_151	NTID AAID	— Score Probability
	NTID AAID	Length Length Score Probability
1348563 <u></u> c1 <u></u> 151	NTID AAID 2344 7566	Length Length Score Probability 166 501 715 1.5e-70

ORF Name	NTID AAID	<u>NT</u> <u>AA</u> Length Length	Score P	robability
13837817_£2_54	2345 7567	272 819	101	0.0055
Protein name		Locus	Name	Acc#
otnG protein		pir:S70	954	S70954
Description				
		NT AA	~ D	
ORF Name	NTID AAID	Length Length	Score P	robability
13859376 <u></u> £2 <u></u> 77	. 2346 7568	391 1176	687	1.4e-67
Protein name		Locus	Name	Acc#
galactokinase		pir:C72	283	C72283
Description				
		NT AA		
ORF Name	NTID AAID	Length Length	Score P	robability
14648312 <u></u> c1 <u></u> 199	. 2347 7569	376 1131	363	3.0e-33
Protein name		Locus	Name	Acc#
immunoreactive 42kl) antigen PG33	gp:AF17	5715	AF175715
Description				
Porphyromonas ging complete cds.	ivalis strain W50 i	mmunoreactive 42kI) antigen	PG33 gene,
		NT AA	Score P	robability
ORF Name	NTID AAID	Length Length		
16801507f132	7570		226	9.9e-19
Protein name		Locus		Acc#
glutamine ABC transglutamine-binding programmed	sporter, periplasmi rotein (glnH) homol		278	G69278
Description				

			$\underline{ ext{NT}}$	AA	Score	Probability	
ORF Name	NTID	AAID	Length	Length	bcore	riobability	
16832885_f2_51	2349	7571	90	273	312	7.6e-28	
Protein name				Locus	s Name	Acc#	
hypothetical prote	ein			pir:JQ	1020	JQ1020	
Description							
			NT	AA			
ORF Name	NTID	AAID	Length	Length	Score	Probability	
17187 <u></u> c3 <u></u> 273	2350	7572	64	195			
Protein name			·	Locus	s Name	Acc#	
Description							
NO-HIT			· ·				7
110 1111							
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
187502c2235		7573		1095			
		,3,3				7	
Protein name				Locus	s Name	Acc#	
Description							
NO-HIT	Ā]
			NT	AA	Score	Probability	
ORF Name	NTID	AAID	Length	Length	Score	PIODADIIICY	
187502_£1_10	2352	7574	522	1569			
Protein name				Locus	s Name	Acc#	
Description							
NO-HIT					<u> </u>	-	7
			NT	AA			
ORF Name	NTID	AAID	Length	Length	<u>Score</u>	Probability	
20110930 <u></u> £2 <u></u> 82	2353	7575	63	192			
Protein name				Locus	Name	Acc#	
Description							
NO-HIT							7

ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
22470301 ±2 73	2354	7576		96	71	0.026
Protein name				Locus	Name	Acc#
unknown protein				gp:BAC	ATPA	
Description						
B.megaterium ATP genes, complete cd		.,c,b,delt	a,alpha,	gamma,be	eta ander	osilon subunit
			NT	AA	0 = 0 = 0	D
ORF Name	NTID	AAID	Length	Length	Score	Probability
22660002_f3_129	2355	7577	103 3	12		
Protein name				Locus	Name	Acc#
Description						
NO-HIT						*
						· · · · · · · · · · · · · · · · · · ·
ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
ORF Name 2286.0128f3106		<u>AAID</u> 7578	Length		Score 64	Probability 0.031
			Length	Length		
22860128 <u></u> £3 <u></u> 106			Length	Length	64 Name	0.031
22860128 <u></u> £3 <u></u> .106			Length	Length 52 Locus	64 Name	0.031 Acc#
22860128f3106 Protein name	 [2356	7578	Length 83 2	Length 52 Locus sp:SPRO	64 Name	0.031 Acc#
Protein name Description	 [2356	7578	Length 83 2	Length 52 Locus sp:SPRO	64 Name	0.031 Acc#
Protein name Description	 [2356	7578	Length 83 2	Length 52 Locus sp:SPRO	64 Name	0.031 Acc#
Protein name Description OSTEONECTIN) (ON	2356) (BASEMENT NTID	7578 MEMBRANE	Length 83 PROTEIN NT	Length 52 Locus Sp:SPRO BM-40) AA Length	64 Name XENLA	0.031 <u>Acc#</u> P36378
Protein name Description (OSTEONECTIN) (ON	2356) (BASEMENT NTID	7578 MEMBRANE AAID	PROTEIN NT Length	Length 52 Locus Sp:SPRO BM-40) AA Length 18	64 Name XENLA	0.031 <u>Acc#</u> P36378
Protein name Description (OSTEONECTIN) (ON ORF Name 23554687_f1_35	2356) (BASEMENT NTID	7578 MEMBRANE AAID	PROTEIN NT Length	Length 52 Locus Sp:SPRO BM-40) AA Length 18	64 S Name C XENLA Score	0.031 Acc# P36378 Probability
22860128f3106 Protein name Description (OSTEONECTIN) (ON ORF Name 23554687f135	2356) (BASEMENT NTID	7578 MEMBRANE AAID	PROTEIN NT Length	Length 52 Locus Sp:SPRO BM-40) AA Length 18	64 S Name C XENLA Score	0.031 Acc# P36378 Probability

ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
23631562_f3_133 Protein name	2358	7580	460	.383 Locus	330 Name	9.4e-30 Acc#	
Description				sp:GLU	P_BRUAB	Q44623	7
GLUCOSE/GALACTOS)	E TRANSPORTER					10	
ORF Name 23907956 f1 22	<u>NTID</u>	<u>AAID</u>	NT Length	AA Length	Score	Probability	
Protein name	2339	7361	03	Locus	s Name	Acc#	
Description NO-HIT					-	***************************************]
ORF Name	NTID	AAID	<u>NT</u> Length	AA Length	Score	Probability	
ORF Name 24069755_c2_222		<u>AAID</u> 7582	Length		Score	Probability 4.4e-48	
			Length	Length 40			
24069.755 <u></u> c2 <u></u> 222			Length	Length 40	503 Name	4.4e-48	
24069755_c2_222 Protein name			Length	Length 40 Locus	503 Name	4.4e-48 Acc#	
24069755_c2_222 Protein name hypothetical prot			Length	Length 40 Locus	503 Name	4.4e-48 Acc#	
Protein name hypothetical prot Description ORF Name		7582	Length 279 8 NT Length	Length 40 Locus pir:S74	503 Name	4.4e-48 Acc# S74480	
Protein name hypothetical prot Description ORF Name		7582 AAID	Length 279 8 NT Length	Length Locus pir:S74 AA Length	503 S Name 480 Score	4.4e-48 Acc# S74480 Probability	
Protein name hypothetical prot Description ORF Name		7582 AAID	Length 279 8 NT Length	Length Locus pir:S74 AA Length	Score 747 Name	Acc# S74480 Probability 6.1e-74	
Protein name hypothetical prot Description ORF Name		7582 AAID	Length 279 8 NT Length	Length Locus pir:S74 AA Length 191 Locus	Score 747 Name	Acc# S74480 Probability 6.1e-74 Acc#	

ORF Name NTID AAID Length Length Score Probability 24242327_f3_143 2362 7584 173 522 140 1.3e-09 Protein name Locus Name Acc#	
Description PROBABLE RNA POLYMERASE SIGMA FACTOR RFAY ORF Name NTID AAID Length Length Length 24253316_c3_239 Protein name NTID AAID Locus Name Acc#	-
Description NO-HIT	
ORF Name NTID AAID Length Length Length Length 213 1.4e-16 Protein name Vitellogenin Description Gallus gallus vitellogenin gene coding for phosvitin, exons 23 and24.]
ORF Name NTID AAID Length Length Score Probability 24298137t2_65	 ,
NO-HIT	

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ORF Name	NTID AAID	NT AA Score Probability Length Length
24353377_f2_81	2366 7588	76 231 170 8.5e-13
Protein name		Locus Name Acc#
hypothetical prote	in TM1758	pir:G72214 G72214
Description		
		NT AA Grana Probability
ORF Name	<u> AAID</u>	NT AA Score Probability Length Length
24406536 <u></u> .t2 <u></u> 79	2367 7589	149 450 367 1.1e-33
Protein name		Locus Name Acc#
sugar-phosphate is	omerase	pir:H72296 H72296
Description		9.0
		NT AA saara Probability
ORF Name	NTID AAID	NT AA Score Probability Length Length
24415877 <u>c3</u> 272	2368 7590	166 501 99 0.0018
Protein name		Locus Name Acc#
		sp:Y896_HAEIN
Description		
HYPOTHETICAL PROT	EIN HI0896	
		NT AA Ggoro Probability
ORF Name	NTID AAID	NT AA Score Probability Length Length
24415888 <u></u> c1 <u></u> 154	2369 7591	528 1587 69 0.0075
Protein name		Locus Name Acc#
outer membrane pr	otein	gp:HEAOMPP1B
Description		ne protein (OMPP1) gene, complete CDS.

			NT	<u>AA</u>	Score	Probability
ORF Name	NTID	AAID	Length	Length		7 700 25
24645262_f3_109	2370 7	592	375 1	.128	377	9.9e-35
Protein name				Locus	Name	Acc#
immunoreactive 42	kD antigen PG	33		gp:AF1	75715	AF175715
Description						
Porphyromonas gir complete cds.	ngivalis strai	in W50 i	mmunoread	ctive 42k	D antige	enPG33 gene,
			NT	AA	G	Probability
ORF Name	NTID	AAID	Length	Length	Score	Probability
24648563_c3_271	2371	7593	258	777	575	1.0e-55
Protein name				Locu	s Name	Acc#
PksB				gp:AF0	19986	AF019986
Description			0			
Dictyostelium di	scoideum PksB	(pksB)	mRNA, co	mplete c	as.	
Dictyostelium di	scoideum PksB	(pksB)			as.	
Dictyostelium di ORF Name	scoideum PksB NTID	(pksB)	MRNA, co NT Length	AA Length	Score	Probability
	NTID		<u>NT</u> Length	AA		Probability 2.2e-94
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length 882	Score	
ORF Name 24692212c1187	NTID 2372	AAID 7594 small	<u>NT</u> Length	<u>AA</u> Length 882	Score 940	2.2e-94
ORF Name 24692212cl187 Protein name sulfate adenylyl	NTID 2372	AAID 7594 small	<u>NT</u> Length	AA Length 882 Locu	Score 940	2.2e-94
ORF Name 24692212_c1_187 Protein name sulfate adenylyl chain:ATP-sulfury	NTID 2372	AAID 7594 small	NT Length	AA Length 882 Locu	Score 940	2.2e-94 <u>Acc#</u>
ORF Name 24692212_c1_187 Protein name sulfate adenylyl chain:ATP-sulfury	NTID 2372	AAID 7594 small	<u>NT</u> Length	AA Length 882 Locu	Score 940 s Name 5056	2.2e-94
ORF Name 246.92212_cl18.7 Protein name sulfate adenylyl chain:ATP-sulfury Description	NTID 2372 transferase, lase:sulfuryl	AAID 7594 small ase	NT Length 293	AA Length 882 Locu pir:D6	Score 940 s Name 5056	2.2e-94 <u>Acc#</u>
ORF Name 24692212_c1_187 Protein name sulfate adenylyl chain:ATP-sulfury Description ORF Name	NTID 2372 transferase, lase:sulfuryl	AAID 7594 small ase	NT Length 293 NT Length	AA Length B82 Locu pir:D6	Score 940 s Name 5056	2.2e-94 <u>Acc#</u>
ORF Name 24692212_cl18.7 Protein name sulfate adenylyl chain:ATP-sulfury Description ORF Name 24890887_t2_89 Protein name	NTID 2372 transferase, lase:sulfuryl	AAID 7594 small ase	NT Length 293 NT Length	AA Length B82 Locu pir:D6	Score 940 s Name 5056 Score	Acc# Probability
ORF Name 24692212_c1_187 Protein name sulfate adenyly1 chain:ATP-sulfury Description ORF Name	NTID 2372 transferase, lase:sulfuryl	AAID 7594 small ase	NT Length 293 NT Length	AA Length B82 Locu pir:D6	Score 940 s Name 5056 Score	Acc# Probability

NTID AAID Length Length	
ORF Name N115 121 1240 1.74 6.6e-13	
25600262_c3_278	
Protein name	
ATP sulfurylase small subunit gp:AF035608 AF035608	
Description and	
Pseudomonas aeruginosa ATP sulfurylase small subunit (cysD) and ATPsulfurylase GTP-binding subunit/APS kinase (cysN) genes, completecds.	
NTID AAID Length Length Score Probability	
ORF Name	
25792127_t3_124	
Protein name	
Description	
NO-HIT	_
NT AA Score Probability	
ORF Name NTID AAID Length Length 3.8e-136	
26289761_c3_2792376	
Protein name Locus Name Acc# Ar035608 AF035608	
ATP sulfurylase GTP-binding subunit, ATS	
kinase	
Description Pseudomonas aeruginosa ATP sulfurylase small subunit (cysD) and Pseudomonas aeruginosa ATP sulfurylase small subunit (cysD) genes, completecds.	
Pseudomonas aeruginosa ATP sullurylase small sabana (cysN) genes, completecds. ATPsulfurylase GTP-binding subunit/APS kinase (cysN) genes, completecds.	3
NT AA Score Probability	
ORF Name NTID AAID Length Length 0.048	1
26.3.5.9.7.6.0c.11.5.2	J
Protein name Locus Name Acc#	
sp:COX3_PYLLI Q37600	
Description	
CYTOCHROME C OXIDASE POLYPEPTIDE III,	

ORF Name NTID AAID Length Length Score Probability 29298205_c2_237 2378 7600 145 438 202 3.5e-16 Protein name Locus Name Acc# hypothetical protein pir:S76868 S76868	×
ORF Name NTID AAID Length Length Score Probability 29.7.22.915t310.7	,
ORF Name NTID AAID Length Length Score Probability 318.7.8.2.50t314.7	
ORF Name NTID AAID Length Length Score Probability 32304817f290 2381 7603 216 651	
ORF Name NTID AAID Length Length Score Probability 3.2422553_f1_31]

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ORF Name	NTID AAID Length Length Score Probability	*
33476517_f1_30	2383 7605 369 1110 994 4.1e-10	0
Protein name	Locus Name Acc#	
hypothetical prot	ein TM1759 pir:H72214 H7221	.4
Description		
	NT AA Score Probabili	+37
ORF Name	NTID AAID Length Length Score Probabili	<u>cy</u>
34191425 <u></u> £2 <u></u> 50	2384 7606 332 999	
Protein name	Locus Name Acc#	<u>ŧ</u>
Description		
NO-HIT		
NO-HII	NT AA coore Probabili	
ORF Name	NT AA Score Probabili NTID AAID Length Length	<u>-ty</u>
34242212 <u>f3</u> 145	2385 7607 153 462 92 0.039	
Protein name	Locus Name Acc	<u>#</u>
PfEMP1 fragment	PFB1045w pir:F71600 F716	00
Description		
	NT AA Score Probabil:	ity
ORF Name	NTID AAID Length Length Probabil	207
34407937 <u>f3</u> 142	2386 7608 330 993 260 2.5e-2	2
Protein name	Locus Name Acc	<u>#</u>
	sp:YISS_BACSU	
Description		
HYPOTHETICAL 37	5 KD PROTEIN IN DEGA-NPRB INTERGENIC REGION	-

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		NT AA Score	Probability
ORF Name	NTID AAID	Length Length	- 0010
34609450_c3_242	2387 7609	376 1131 117	0.0016
Protein name		Locus Name	Acc#
complement C7		gp:AF162274	AF162274
Description			
	ment C7 mRNA, comple	te cds.	
Sus scrora compre	10110		
ORT Name	NTID AAID	NT <u>AA</u> Score Length Length	Probability
ORF Name	2388 7610	325 978	
36226562_c1_190	2300 , 020	Locus Name	Acc#
Protein name			
Description			
NO-HIT			
		NT AA Score	Probability
ORF Name	NTID AAID	<u>NT AA</u> Length Length	Probability
ORF Name		Score	Probability 6.7e-100
ORF Name 3.6.6.0.46.63f127		Length Length	
ORF Name		<u>Length</u> <u>Length</u> <u>Score</u>	6.7e-100 <u>Acc#</u>
ORF Name 3.6.6.0.4.6.6.3f.12.7 Protein name		Length Length Score 411 1236 992 Locus Name	6.7e-100 <u>Acc#</u>
ORF Name 3.6.6.0.46.63f127 Protein name Description	2389 7611	Length Length Score 411 1236 992 Locus Name Sp:RHLE_ECOLI	6.7e-100 <u>Acc#</u>
ORF Name 3.6.6.0.46.63f127 Protein name Description		Length Length Score 411 1236 992 Locus Name Sp:RHLE_ECOLI	6.7e-100 <u>Acc#</u>
ORF Name 3.6.6.0.46.63f127 Protein name Description	ENDENT RNA HELICASE	Length Length Score Length Length 992 Locus Name Sp:RHLE_ECOLI RHLE NT AA Score	Acc# P25888
ORF Name 3.6.6.0.46.63f127 Protein name Description	2389 7611	Length Length Score Length Length 992 Locus Name Sp:RHLE_ECOLI RHLE NT AA Length Length Score	Probability
ORF Name 3.6.6.0.46.6.3f.12.7 Protein name Description PUTATIVE ATP-DEP	ENDENT RNA HELICASE NTID AAID	Length Length Score Length Length 992 Locus Name Sp:RHLE_ECOLI RHLE NT AA Length Length Score 332 999 488	Probability 1.7e-46
ORF Name 3.6.6.0.46.6.3f12.7 Protein name Description PUTATIVE ATP-DEP ORF Name 3.91.71.3.0	2389 7611 ENDENT RNA HELICASE NTID AAID 2390 7612	Length Length All 1236 992 Locus Name Sp:RHLE_ECOLI RHLE NT	Probability 1.7e-46 Acc# Acc# Acc# Acc#
ORF Name 3.6.6.0.46.6.3f12.7 Protein name Description PUTATIVE ATP-DEP ORF Name 3.91.71.3.0	ENDENT RNA HELICASE NTID AAID	Length Length All 1236 992 Locus Name Sp:RHLE_ECOLI RHLE NT	Probability 1.7e-46

ORF Name NTID AAID Length Length Length Description NTID AAID NTID AAID NTID AAID Length Length Length Length Length Length Length Length Probability 1.4e-25 Locus Name Acc# Dir:B69194 B69194	
ORF Name NTID AAID Length Length Score Probability 40888_c1_200 2392 7614 185 558 301 1.1e-26 Protein name Locus Name Acc# Sp:DEF_THEMA P96113	
DEFORMYLASE) ORF Name NTID AAID Length Length Length Length 1.3e-105 Protein name Description Bacteroides ovatus arabinosidase (asdII) gene, complete cds and putative]
transketolase, partial cds. ORF Name NTID AAID Length Length Length Score Probability 3.9e-63 Protein name Locus Name Acc# Sp:TKT_BACSU P45694 TRANSKETOLASE,]

		NT AA Score Probabilit	У
ORF Name	NTID AAID	Length Length 0.00035	
4485917_f2_56	2395 7617	135 408 98 0.00035	
Protein name		Locus Name Acc#	
XylS/AraC family t	ranscriptional reg	gp:AF039207 AF039	207
Description			
(attM), LapA (lapA)	. XvlS/AraC family	scriptional attenuator leaderpeptide transcriptionalregulatory protein hydrogenasehomolog (lapC) genes,	
		NT AA Score Probabilit	<u>-y</u>
ORF Name	NTID AAID	Length Length	
4719011_c3_277	2396 7618	205 618 476 3.2e-45	
Protein name		Locus Name Acc#	
		sp:NODQ_AZOBR P2860	4
Description			
SULFURYLASE) (NOD	ULATION PROTEIN Q)		
SULFURYLASE) (NOD	NTID AAID	NT AA Score Probabilit	ty
	NTID AAID	Score Probability	ty
ORF Name	NTID AAID	Length Length	
ORF Name 4722176±3121	NTID AAID	Length Length Score Probability 898 2697 367 4.0e-85	
ORF Name 4722176±3121	NTID AAID	Length Length Score Probabilition 898 2697 367 4.0e-85 Locus Name Acc#	
ORF Name 4.722176£3121 Protein name	NTID AAID 2397 7619	Length Length Score Probabilition 898 2697 367 4.0e-85 Locus Name Acc#	
ORF Name 4.722176t3121 Protein name Description	NTID AAID 2397 7619	Length Length Score Probability 898 2697 367 4.0e-85 Locus Name Acc# Sp:BGAL_THEET P7798	9
ORF Name 4.722176t3121 Protein name Description	NTID AAID 2397 7619	Length Length Score Probabilition 898 2697 367 4.0e-85 Locus Name Acc#	9
ORF Name 4.722176f3121 Protein name Description BETA-GALACTOSIDAS	NTID AAID 2397 7619 E, (LACTASE) NTID AAID	Length Length Score Probabilition 898 2697 367 4.0e-85 Locus Name Acc# sp:BGAL_THEET P7798 NT AA Score Probabilition	9
ORF Name 4.722176t3121 Protein name Description BETA-GALACTOSIDAS ORF Name	NTID AAID 2397 7619 E, (LACTASE) NTID AAID	Length Length Score Probability 898 2697 367 4.0e-85 Locus Name Acc# Sp:BGAL_THEET P7798 NT AA Score Probability Length Length Score Probability P7798 Length Length Score Probability P7798 Length Length Score P700000000000000000000000000000000000	9 ty
ORF Name 4.722176f3121 Protein name Description BETA-GALACTOSIDAS ORF Name 486.716.7c1198	NTID AAID 2397 7619 E, (LACTASE) NTID AAID	Length Length Score Probabilition 898 2697 367 4.0e-85 Locus Name Acc# Sp:BGAL_THEET P7798 NT AA Score Probabilition Length Length Probabilition 418 1257 P1000000000000000000000000000000000000	9 ty

ORF Name NTID AAID Leng	Score Plobability
5259437 c3 287 2399 7621 253	762 106 0.00070
Protein name	Locus Name Acc#
	pir:S70954 S70954
otnG protein	
Description	
ORF Name NTID AAID Leng	- Score Probability
5273312_f3_1282400 7622 73	222 81 0.0035
Protein name	Locus Name Acc#
gas vesicle protein GvpP	gp:AF053765 AF053765
Description	-
Bacillus megaterium AraC (araC) gene, part (gvpU), GvpT (gvpT), GvpJ (gvpJ), GvpK (gvpG), GvpF (gvpF), GvpN (gvpN), GvpR(gvpR)	ok), Gyps (dyps), Gyph (gyph), Gyph
(gvpP), and GvpA (gvpA)genes, complete cds;	and unknown gene.
(gvpP), and GvpA (gvpA)genes, complete cds;	and unknown gene. T AA Score Probability
(gvpP), and GvpA (gvpA)genes, complete cds;	and unknown gene. T AA Score Probability gth Length
(gvpP), and GvpA (gvpA)genes, complete cds;	and unknown gene. T AA Score Probability
(gvpP), and GvpA (gvpA)genes, complete cds; NOTID AAID Length	and unknown gene. T AA Score Probability gth Length
(gvpP), and GvpA (gvpA)genes, complete cds; ORF Name NTID AAID Length 5284453c2_2202 2401 7623 138	and unknown gene. T AA Score Probability gth Length 114 1.2e-06 Locus Name Acc#
ORF Name NTID AAID Len 5284453c2202	and unknown gene. T AA Score Probability gth Length 114 1.2e-06 Locus Name Acc#
(gvpP), and GvpA (gvpA)genes, complete cds; ORF Name NTID AAID Len 5284453_c2_202	and unknown gene. T AA Score Probability Length Length 1.2e-06 Locus Name Acc# pir:D44805 D44805
(gvpP), and GvpA (gvpA)genes, complete cds; ORF Name NTID AAID Len 5284453_c2_202 Protein name hypothetical protein (eggshell protein generation) Description ORF Name NTID AAID Len NTID AAID Len NTID AAID Len NTID AAID Len NTID AAID Len	and unknown gene. T AA Score Probability 417 114 1.2e-06 Locus Name Acc# pir:D44805 D44805 T AA Score Probability
(gvpP), and GvpA (gvpA)genes, complete cds; ORF Name NTID AAID Length 138 Protein name hypothetical protein (eggshell protein generation) Description	and unknown gene. T AA Score Probability Gth Length 1.2e-06 Locus Name Acc# Description 1.2e-06 Locus N
ORF Name NTID AAID Lend 5284453c2202	AA Score Probability
ORF Name NTID AAID Length S284453_c2_202	and unknown gene. T AA Score Probability 417
ORF Name NTID AAID Length S284453_c2_202	and unknown gene. T AA Score Probability 417

	MITTE	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
ORF Name	NTID					
6381932_£2_53	2403	7625	269	310		
Protein name				Locus	Name	Acc#
Description						
NO-HIT						
			2.77	7.7		
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
6.6.4.7.9.2.7£13.6	2404	7626	64	L95		
Protein name	'			Locus	Name	Acc#
Description						
NO-HIT						
			NT	AA		
ORF Name	NTID	AAID	<u>Length</u>	Length	Score	Probability
6851562£283	2405	7627	257	774	633	7.3e-62
Protein name				Locus	3 Name	Acc#
2-oxoacidferredox	cin oxidore	ductase,	beta	pir:B69	9194	B69194
chain:2-oxoisovalera		ductase	alpha	× .		
chain (misidentification	ICTOII/		*	_		
					- 10	
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
687 <u></u> c2 <u></u> 234	. 2406	7628	410	1233	389	5.3e-36
Protein name				Locus	s Name	Acc#
integrase				gp:BFU	75371	U75371
Description						
Bacteroides fragil (tnpC), excisionase (cfxA) genes, compl	(xis), mok	oilizatio	n protei	n (mobA)	ntegrase ,and bet	(int), TnpC a-lactamase

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ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
9782302_f1_43	2407	7629	83	252			
Protein name				Locus	Name	Acc#	
Description							
NO-HIT							
ORF Name	NTID	AAID	<u>NT</u> Length	AA Length	Score	Probability	
10369011 <u></u> £3 <u></u> 154	2408	7630	283	352			
Protein name	-			Locus	Name	Acc#	
Description							
NO-HIT							
1							
							*
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	*
ORF Name 1057958_t2_73		<u>AAID</u> 7631	Length		Score 212	Probability 3.0e-17	,
			Length	Length			
1057958_f2_73Protein name sensory transduct	ion system r	7631	Length 188	Length	212 Name	3.0e-17	
Protein name sensory transduct protein slr1982:pr	ion system r	7631	Length 188	Length Locus	212 Name	3.0e-17 <u>Acc</u> #	
Protein name sensory transduct protein slr1982:pr	ion system r	7631	Length 188	Length Locus	212 Name	3.0e-17 <u>Acc</u> #	
Protein name sensory transduct protein slr1982:pr	ion system r	7631	Length 188	Length Locus	212 Name	3.0e-17 <u>Acc</u> #	,
Protein name sensory transduct protein slr1982:pr	ion system r	7631	Length 188	Length Locus	212 3 Name 5663	3.0e-17 Acc# S75663	
Protein name sensory transduct protein slr1982:pr	ion system r	7631	Length [188] Y n	Length Locus pir:S75	212 Name	3.0e-17 <u>Acc</u> #	,
Protein name sensory transduct protein slr1982:pr slr1982 Description	ion system rotein slr198	7631 egulatory 2:protein	Length 188 I I I I Length	Length Locus pir:S75	212 3 Name 5663	3.0e-17 <u>Acc#</u> S75663	,
Protein name sensory transduct protein slr1982:pr slr1982 Description ORF Name	ion system rotein slr198	regulatory 2:protein	Length 188 I I I I Length	Length Locus Dir:S75	212 3 Name 5663	3.0e-17 <u>Acc#</u> S75663	,
Protein name sensory transduct protein slr1982:pr slr1982 Description ORF Name	ion system rotein slr198	regulatory 2:protein	Length 188 I I I I Length	Length Locus Dir:S75	212 S Name 6663 Score	3.0e-17 Acc# S75663 Probability	

ORF Name	NTID AAID	NT AA Score Length Length	Probability
12343962_t2_59	2411 7633	742 2229 156	1.1e-06
Protein name		Locus Name	Acc#
hypothetical prote	in	pir:C72351	C72351
Description			
		NT AA Score	Probability
ORF Name	NTID AAID	Length Length	<u> </u>
13787952 <u>_</u> £1 <u>_</u> 53	. 2412 7634	312 939	
Protein name		Locus Name	Acc#
Description			
NO-HIT			
		NT AA Coore	Probability
ORF Name	NTID AAID	Length Length Score	PIODADITICY
13861037f146	2413 7635	156 471	
Protein name		Locus Name	Acc#
Description		,	
NO-HIT			
		NT AA Grana	- 1 1 1 2 2 4
ORF Name	NTID AAID	Length Length Score	<u>Probability</u>
13865891 <u></u> c2 <u></u> 277	2414 7636	428 1287 712	3.1e-70
Protein name	1	Locus Name	Acc#
		sp:BIOF_BACSH	P22806
Description		sp:BIOF_BACSH	P22806

	NT AA Grave Probability
ORF Name	NTID AAID Length Length Score Probability
13882887_f1_44	2415 7637 146 441 155 3.3e-11
Protein name	Locus Name Acc#
hypothetical prote	gp:AF158372 AF158372
Description	
(gldB), GldC (gldC)	nnsoniae hypothetical protein gene, partial cds;GldB , and hypothetical protein genes, completecds; and in gene, partial cds.
ORF Name	NTID AAID Length Length Score Probability
14459637 f1_49	7638 605 1818 207 4.3e-14
Protein name	Locus Name Acc#
hypothetical prote	
Description	<u> </u>
(gldB), GldC (gldC)	nnsoniae hypothetical protein gene, partial cds;GldB), and hypothetical protein genes, completecds; and in gene, partial cds.
	NT AA Score Probability
ORF Name	NTID AAID Length Length
14492062 <u>f3</u> 147	2417 7639 143 432
Protein name	Locus Name Acc#
Description	
NO-HIT	
	NT AA Grane Drobability
ORF Name	NI Score Probability
	NTID AAID Length Length
14564003 <u></u> t2 <u>.</u> 71	NTID AAID Length Length
14564003t271	NTID AAID Length Length
	NTID AAID Length Length 4.2e-07
Protein name MigA Description	NTID AAID Length Length 2418 7640 290 873 140 4.2e-07 Locus Name Acc#

ORF Name	NTID	AAID	<u>NT</u> Length	AA Length	Score	Probability
14631406_f1_14	2419	7641	322	969	257	2.6e-25
Protein name				Locu	s Name	Acc#
glycosyltransferase				gp:AF1	46532	AF146532
Description						
Klebsiella pneumoni	ae waa ge:	ne cluste:	r.			
			NT	AA		
ORF Name	NTID	AAID	<u>Length</u>	<u>Length</u>	Score	Probability
14642175_f1_38	2420	7642	1035	3108	96	4.2e-07
Protein name				Locu	s Name	Acc#
DNA helicase homolog	3	, , , , , , , , , , , , , , , , , , ,		pir:G6	9494	G69494
Description		- 10	***			
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
14646926 <u></u> ±3 <u></u> 144	2421	7643	141	426	175	2.5e-13
Protein name				Locu	s Name	Acc#
hypothetical protein	n		*	gp:AF1	58372	AF158372
Description			9			
Flavobacterium john (gldB), GldC (gldC), hypothetical protein	and hypo	thetical	protein 🤉	n gene, genes, c	partial ompleteco	cds;GldB ds; and
*		9	NT	AA	Score	Probability
ORF Name	NTID	AAID	<u>Length</u>	<u>Length</u>	BCOTC	11030311107
14651638 <u></u> £2 <u></u> 68	2422	7644	120	363))
Protein name				Locu	s Name	Acc#
Description						
NO-HIT						

ODE Namo	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
ORF Name							
1550_f2_88	2423	7645	259 7	80			
Protein name				Locus	Name	Acc#	
Description							
NO-HIT					· · · · · · · · · · · · · · · · · · ·		
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
15761062_c2_283	2424	7646	72 2	219	209	1.2e-16	
Protein name				Locus	Name	Acc#	
integrase				gp:D504	38	D50438	
Description							
Serratia marcescens	s DNA for	integrase	, ngetwitre	naforace	compl	ete cds.	
metallo-bata-lactama	ase, amiliog	Tycoside .	acecyicia	alisterase	, comp=		
metallo-bata-lactama	ase, amiliog	Tycoside					
metallo-bata-lactama	NTID	AAID	NT Length	AA Length	Score	Probability	
	NTID		<u>NT</u> Length	AA			
ORF Name	NTID	AAID	<u>NT</u> Length	AA Length	Score	Probability	
ORF Name 16.100.927c11.94	NTID	AAID	<u>NT</u> Length	AA Length 343 Locus	Score	Probability 0.00011	
ORF Name 16.100.927c11.94	NTID	AAID	<u>NT</u> Length	AA Length 343 Locus	Score 109 Name	Probability 0.00011 Acc#	_
ORF Name 16100927cl194 Protein name	<u>NTID</u>	<u>AAID</u> 7647	NT Length	AA Length 343 Locus sp:YBE	Score 109 Name JECOLI	Probability 0.00011 Acc#	
ORF Name 16100927_c1_194 Protein name Description	<u>NTID</u>	<u>AAID</u> 7647	NT Length 280 [8	AA Length Locus Sp:YBET ERGENIC F	Score 109 Name JECOLI REGION	Probability 0.00011 Acc# P77427	
ORF Name 16100927_c1_194 Protein name Description	<u>NTID</u>	<u>AAID</u> 7647	NT Length	AA Length 343 Locus sp:YBE	Score 109 Name JECOLI	Probability 0.00011 Acc#	
ORF Name 16100927C1194 Protein name Description HYPOTHETICAL 27.0	NTID 2425 KD PROTEIN NTID	AAID 7647 IN LEUS-	NT Length 280 E GLTL INTE	AA Length Locus Sp:YBET ERGENIC F AA Length	Score 109 Name JECOLI REGION	Probability 0.00011 Acc# P77427	
ORF Name 16.10.0927C1194 Protein name Description HYPOTHETICAL 27.0 ORF Name	NTID 2425 KD PROTEIN NTID	AAID 7647 IN LEUS-	NT Length 280 GLTL INTE	AA Length Locus Sp:YBET ERGENIC I AA Length	Score 109 Name JECOLI REGION	Probability 0.00011 Acc# P77427	
ORF Name 16.10.0.927c11.94 Protein name Description HYPOTHETICAL 27.0 ORF Name 16.6.0.33.77t151	NTID 2425 KD PROTEIN NTID	AAID 7647 IN LEUS-	NT Length 280 GLTL INTE	AA Length Locus Sp:YBET ERGENIC I AA Length	Score 109 Name JECOLI REGION Score	Probability 0.00011 Acc# P77427 Probability	

ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
194765_c3_348	2427	7649	135	108		
Protein name				Locus	Name	Acc#
Description						
NO-HIT						
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
19695302 <u>f2</u> 58	2428	7650	293	382		
Protein name				Locus	Name	Acc#
Description						
NO-HIT				-		
			NT	AA		
ORF Name	NTID	AAID	Length	<u>Length</u>	Score	Probability
20026537 <u></u> c1190	2429	7651	330	993	297	3.0e-26
Protein name				Locus	Name	Acc#
				sp:Y4Q	_RHISN	P55632
Description				*	<i>y</i>	
PUTATIVE INTEGRASE,	RECOMBINA:	SE Y4QK				
			NT	AA	*	
ORF Name	NTID	AAID	<u>Length</u>	Length	Score	Probability
20705385 <u></u> c2 <u></u> 281	2430	7652	227	684	110	0.00019
Protein name				Locus	Name	Acc#
LanK				gp:AF08	30235	AF080235
Description						
Streptomyces cyanog sequence.	genus lando	omycin bi	osynthet	ic gene o	cluster,	complete

		NT AA	Decele alad I dece
ORF Name	•	ngth Length Score	Probability
20912537_f3_151	2431 7653 23	708	
Protein name		Locus Name	Acc#
Description			
NO-HIT			
		7.7	
ORF Name		NT <u>AA</u> ngth Length Score	Probability
20953211£3124	2432 7654 25	1 756 136	9.7e-07
Protein name		Locus Name	Acc#
hypothetical pro	cein	pir:F75494	F75494
Description			
ORF Name		NT <u>AA</u> ngth Length Score	Probability
ORF Name 212762_f1_43	NTID AAID Le	ngth Length Score	Probability 4.1e-145
	NTID AAID Le	ngth Length Score	
2127.62f143	NTID AAID Le	ngth Length Score 8 2487 827	4.1e-145
212762f143 Protein name	NTID AAID Le	ngth Length Score 2487 827 Locus Name	4.1e-145 <u>Acc</u> #
212762_fl_43 Protein name ClpB Description	NTID AAID Le	ngth Length Score 8 2487 827 Locus Name gp:AB012390	AB012390
212762_fl_43 Protein name ClpB Description	NTID AAID Le	Ingth Length Score 8 2487 827 Locus Name gp:AB012390 E, DnaJ, DafA, ClpB,	4.1e-145 Acc# AB012390 complete cds.
212762_fl_43 Protein name ClpB Description	NTID AAID Le	ngth Length Score 8 2487 827 Locus Name gp:AB012390	Acc# AB012390 complete cds.
Protein name ClpB Description Thermus thermoph	NTID AAID Le 2433 7655 82 ilus genes for Dnak, Grpl NTID AAID Le	Ingth Length Score 8 2487 827 Locus Name gp:AB012390 E, DnaJ, DafA, ClpB, NT AA ngth Length Score	4.1e-145 Acc# AB012390 complete cds.
Protein name ClpB Description Thermus thermoph ORF Name	NTID AAID Le 2433 7655 82 ilus genes for Dnak, Grpl NTID AAID Le	Ingth Length Score 8 2487 827 Locus Name gp:AB012390 E, DnaJ, DafA, ClpB, NT AA ngth Length Score	4.1e-145 Acc# AB012390 complete cds.
Protein name ClpB Description Thermus thermoph ORF Name	NTID AAID Le 2433 7655 82 ilus genes for Dnak, Grpl NTID AAID Le	Ingth Length Score 8 2487 827 Locus Name gp:AB012390 E, DnaJ, DafA, ClpB, NT AA ngth Length Score 231	Acc# AB012390 complete cds. Probability

ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
23547157_c2_286	2435	7657	162	189		
Protein name				Locus	Name	Acc#
Description						i
NO-HIT						
			NT	AA	Score	Probability
ORF Name	NTID	AAID	Length	<u>Length</u>	BCOLE	11000011109
23632793 <u>_c1_189</u>	2436	7658	87	264	72	0.048
Protein name				Locus	Name	Acc#
ubiquinone biosynt RP190	hesis prot	ein coq7	(coq7)	pir:A7	1730	A71730
Description						
				72.73		
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
ORF Name [24063450±3101		<u>AAID</u> 7659	Length		Score	Probability 0.0028
24063450 <u></u> ±3 <u></u> 10.1			Length	Length	*	
24063450f3101	2437		Length	Length	115 s Name	0.0028
24063450_f3_101 Protein name outer membrane pro	2437		Length	Length 1260 Locu	115 s Name	0.0028 <u>Acc#</u>
24063450f3101	2437		Length	Length 1260 Locu	115 s Name	0.0028 <u>Acc#</u>
24063450_f3_101 Protein name outer membrane pro Description	otein	7659	Length 419	Length Locu pir:C7	115 s Name	0.0028 <u>Acc#</u>
24063450_f3_101 Protein name outer membrane pro Description ORF Name	otein NTID	7659 <u>AAID</u>	Length 419 NT Length	Length Locu pir:C7 AA Length	115 s Name 0412	0.0028 Acc# C70412
24063450_f3_101 Protein name outer membrane pro Description	otein NTID	7659	Length 419 NT Length	Length Locu pir:C7 AA Length 882	III5 s Name 0412 Score	O.0028 Acc# C70412 Probability
24063450_f3_101 Protein name outer membrane pro Description ORF Name	otein NTID	7659 <u>AAID</u>	Length 419 NT Length	Length Locu pir:C7 AA Length 882	115 s Name 0412	0.0028 Acc# C70412
Protein name Outer membrane pro Description ORF Name	otein NTID	7659 <u>AAID</u>	Length 419 NT Length	Length Locu pir:C7 AA Length 882	III5 s Name 0412 Score	O.0028 Acc# C70412 Probability

ORF Name NTID AAID Length Length Probability
24257700_c3_353
Protein name Locus Name Acc#
sp:YJJK_ECOLI P37797
Description
ABC TRANSPORTER ATP-BINDING PROTEIN YJJK
NT AA Grave Probability
ORF Name NTID AAID Length Length Probability
24258437_f3_103
Protein name Locus Name Acc#
rhamnosyl transferase related protein PAB0795 pir:F75099 F75099
Description
NT AA Toolahilita
$rac{ ext{NT}}{ ext{ORF Name}} rac{ ext{AA}}{ ext{NTID}} rac{ ext{AAID}}{ ext{AAID}} rac{ ext{Length}}{ ext{Length}} rac{ ext{Score}}{ ext{Core}} rac{ ext{Probability}}{ ext{Probability}}$
24398442t145
Protein name Locus Name Acc#
hypothetical protein gp:AF158372 AF158372
Description
Flavobacterium johnsoniae hypothetical protein gene, partial cds;GldB (gldB), GldC (gldC), and hypothetical protein genes, completecds; and hypothetical protein gene, partial cds.
NT AA Score Probability
ORF Name NTID AAID Length Length
24407563 <u></u> £3 <u></u> 1552442
Protein name Locus Name Acc#
Description
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ORF Name	NTID A	<u> </u>	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	,
24640881_t1_24	2443 766	55	408 12	227	210	1.2e-14]
Protein name				Locus	Name	Acc#	
hyaluronan synthase	related PAB	1314		pir:G75	005	G75005	
Description							
ORF Name	NTID	AAID	<u>NT</u> Length	AA Length	Score	Probability	
24640952 <u></u> c1193	2444 76	66	152 4	59			
Protein name				Locus	Name	Acc#	
Description							
NO-HIT							
			NT	AA			
ORF Name	NTID	AAID	Length	Length	Score	Probability	
24843877 <u>f3</u> 148		67	и во на	53	77	0.024]-
\\ \pi \pi \pi \pi \pi \pi \pi \pi \pi \	2445 76	6 /	150 4			0.013	_
Protein name	2445 76	6 /	150 4		: Name	Acc#	_
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Protein name Description				Locus	Name 0825	Acc# AB030825	
Protein name				Locus	Name 0825	Acc# AB030825	-
Protein name Description			rtial se	Locus gp:AB03 quence,	Name 0825 strain:F	Acc# AB030825	
Protein name Description	osa genomic			Locus	Name 0825	Acc# AB030825	
Protein name Description Pseudomonas aerugin	osa genomic	DNA, pa	rtial se	Locus gp:AB03 quence,	Name 0825 strain:F	Acc# AB030825	
Protein name Description Pseudomonas aerugin ORF Name	osa genomic	DNA, pa	rtial se	Locus gp:AB03 quence, AA Length	Name 0825 strain:F	Acc# AB030825	*
Protein name Description Pseudomonas aerugin ORF Name 25584626c1191	osa genomic	DNA, pa	rtial se	Locus gp:AB03 quence, AA Length	s Name some strain:F	Acc# AB030825 PA01. Probability	

	NTID AAID Length Length Score Probability
ORF Name	1712
25906913_f3_104	
Protein name	Locus Name Acc#
	gp:PWQRRMP L39794
Description	
protein (Rom), mob N-acetylmannosamin	AII and RNAI genes, complete sequence; RNAImodulator ilization proteins (mbeC, mbeA, mbeB, and mbeD), transferase (wbbE), wbbF, andUDP-N-acetylglucosamine genes, complete cds.
	NT AA Score Probability
ORF Name	NTID AAID Length Length
2929813_c2_306	2448 7670 93 282 66 0.035
Protein name	Locus Name Acc#
plasma membrane p	rotein pir:T03680 T03680
Description	
**	7.7
ORF Name	$rac{ ext{NT}}{ ext{NTID}}$ AAID Length Length
29479667 <u>.</u> ±1 <u></u> 34	2449 7671 100 303
Protein name	Locus Name Acc#
Description	
NO-HIT	
4	NT AA Score Probability
ORF Name	NTID AAID Length Length
29820341f3102	2450 7672 467 1404 116 0.0010
Protein name	Locus Name Acc#
	Sp:RFC_SALMU Q00474
Description	
O-ANTIGEN POLYME	ASE
O-MILLGEN POLIME.	

ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
32225307_c3_350 Protein name	2451	7673	149	Locus	Name	Acc#
Description						
NO-HIT						
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
326.98450 <u></u> f3 <u></u> 153	2452	7674	269	310	197	1.2e-15
Protein name				Locus	Name	Acc#
outer membrane prot 72K:hypothetical pro protein sll1667 Description			netical	pir:S74	1665	S74665
Description						
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
3.3.4.0.0.2.5.2 <u></u> c22.9.0	. 2453	7675	632	1899	82	0.028
Protein name				Locus	Name	Acc#
MHC class II prote	in			gp:AF03	30872	AF030872
Description						
Poeciliopsis occidexon II, and partia		cidentali	s MHC cla	ass II pr	otein g	ene,partial
			NT	AA	Score	Probability
ORF Name	NTID	AAID	Length	Length		
34022837 <u></u> f1 <u></u> 42	. 2454	7676	464	1395		
Protein name			1	Locus	Name	Acc#
Description						,
NO-HIT					·	

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ORF Name	NTID	AAID	Length		12.00	7 12 42 26	
34164777_f1_25	2455	7677	801	2406	390	2.4e-36	
<u>Protein name</u>				Locus	s Name	Acc#	
sensory transduction				pir:S7	5136	S75136	
slr2104:protein slr2	104:prote:	in sirzio	± ×				
Description							
			NT	AA			
ORF Name	NTID	AAID	Length	Length	Score	Probability	
34179562_t1_41	2456	7678	154	165			
Protein name			ļ l	Locus	s Name	Acc#	
Description							_
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	п.		NT	AA	Score	Probability	
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	,
ORF Name 34569676_c3_354		<u>AAID</u> 7679	Length		Score	Probability	,
			Length	Length			
34569676 <u></u> c3354	2457	7679	Length	Length	178 s Name	1.5e-10	
34569676c3354 Protein name	2457	7679	Length	Length 2805 Locu	178 s Name	1.5e-10 <u>Acc#</u>	:
34569676_c3_354 Protein name 115K outer membrane	2457	7679	Length	Length 2805 Locu	178 s Name	1.5e-10 <u>Acc#</u>	:
Protein name 115K outer membrane protein	2457	7679	Length 934 :SusC	Length 2805 Locu pir:JC	178 s Name	1.5e-10 <u>Acc#</u> JC6027	:
Protein name 115K outer membrane protein	2457	7679	Length	Length 2805 Locu	178 s Name	1.5e-10 <u>Acc#</u>	:
Protein name 115K outer membrane protein Description ORF Name	protein NTID	7679 precursor	Length 934 :SusC NT Length	Length Locu Locu pir:JC	178 s Name 6027	1.5e-10 <u>Acc#</u> JC6027	
34569676_c3_354 Protein name 115K outer membrane protein Description ORF Name 35156933_c1_192	protein	7679 precursor AAID	Length 934 :SusC NT Length	Length Locu pir:JC AA Length	178 s Name 6027 Score	1.5e-10 Acc# JC6027 Probability	
Protein name 115K outer membrane protein Description ORF Name	protein NTID	7679 precursor AAID	Length 934 :SusC NT Length	Length Locu pir:JC AA Length	178 s Name 6027	1.5e-10 <u>Acc#</u> JC6027	:
34569676_c3_354 Protein name 115K outer membrane protein Description ORF Name 35156933_c1_192	protein NTID	7679 precursor AAID	Length 934 :SusC NT Length	Length Locu pir:JC AA Length	178 s Name 6027 Score	1.5e-10 Acc# JC6027 Probability	

ORF Name	NTID AAID	<u>NT</u> <u>AA</u> Length Length	Score Probability
35188568_f1_13	2459 7681	72 219	
Protein name		Locus 1	Name Acc#
Description			
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		NT AA	Irona Drobobilite
ORF Name	NTID AAID	Length Length	Score Probability
35351502 <u></u> £1 <u></u> 54	7682	495 1488	
Protein name		Locus 1	Name Acc#
Description			
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ORF Name	NTID AAID	<u>NT</u> <u>AA</u> Length Length	Score Probability
ORF Name 3.96.6.0		Length Length	Score Probability 92 1.0e-25
		Length Length	92 1.0e-25
39660_f3_152	2461 7683	Length Length 2 262 789 2 Locus 1 pir:S7466	92 1.0e-25 Name <u>Acc#</u>
39660f3152 Protein name outer membrane prof 72K:hypothetical prof	2461 7683	Length Length 2 262 789 2 Locus 1 pir:S7466	92 1.0e-25 Name <u>Acc#</u>
39660_f3_152	2461 7683	Length Length 2 262 789 2 Locus 1 pir:S7466	92 1.0e-25 Name <u>Acc#</u>
Protein name outer membrane protein protein sll1667	2461 7683	Length Length 2 262 789 2 Locus 1 Chetical	92 1.0e-25 Name <u>Acc#</u>
Protein name outer membrane protein protein sll1667	2461 7683	Length Length 2 262 789 2 Locus 1 Chetical pir:S7466	92 1.0e-25 Name <u>Acc#</u>
39660_f3_152	2461 7683 Tein mom72, ptein sll1667:hypot	Length Length 2 262 789 2 Locus 1 Chetical pir:S7466	92 1.0e-25 Name Acc# 55 \$74665
Protein name Outer membrane prof 72K:hypothetical pro protein sll1667 Description ORF Name	2461 7683 Tein mom72, ptein sll1667:hypot	Length Length 2 Locus 1 Locus 1 Locus 1 Locus 1 Length AA Length Length 2	92 1.0e-25 Name Acc# 55 S74665 Score Probability
Protein name outer membrane protein sll1667 Description ORF Name 3984442_t2_84	2461 7683 Tein mom72, ptein sll1667:hypot	Length Length 2 262 789 2 Locus 1 hetical pir:S7466 NT AA Length Length 2	92 1.0e-25 Name Acc# 55 S74665 Score Probability

ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
4100635_£1_50	2463	7685	771 2	2316		
Protein name				Locus	s Name	Acc#
Description						
NO-HIT						
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
410.9.715 <u></u> £1 <u></u> 56	2464	7686	321	966		
Protein name				Locus	s Name	Acc#
Description						
NO-HIT		-				
			3707	77.70		
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
4110211 <u></u> £1 <u></u> 21	2465	7687	307	924		
Protein name				Locus	s Name	Acc#
Description						. 1
NO-HIT						
			3.77m	7.7		
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
4119010c2285	2466	7688	158	177	97	0.0046
Protein name				Locus	s Name	Acc#
ABC transporter pro	tein			gp:CJA	J0856	AJ000856
Description						. ()
Campylobacter jejun	ii kpsM, k	psT genes	•			· .

ORF Name	NTID AAID	NT AA Score Length Length	Probability
4566502_f1_33	2467 7689	106 321	
Protein name		Locus Name	Acc#
Description			
NO-HIT	*		
		NUT 7.7	
ORF Name	NTID AAID	NT AA Length Length Score	Probability
47.98388 <u></u> f3 <u></u> 141	2468 7690	64 195 114	7.3e-07
Protein name		Locus Name	Acc#
hypothetical prot	ein MTH1606	pir:E69081	E69081
Description			÷
ORF Name	NTID AAID	NT AA Length Length Score	Probability
4884686 <u>c2</u> 284	2469 7691	287 864	
Protein name		Locus Name	Acc#
Description			
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ORF Name	NTID AAID	NT AA Score	Probability
5339133 <u></u> c3 <u></u> 367	2470 7692	65 198	
Protein name		Locus Name	Acc#
Description			
NO-HIT			
		NT AA	
ORF Name	NTID AAID	NT AA Length Length Score	Probability
6338916 <u></u> £3 <u>_</u> _157	2471 7693	336	
Protein name	*	Locus Name	Acc#
Description			
NO-HIT			

		NT AA Score	Probability
ORF Name	NTID AAID	Length Length	
644125_c2_309	2472 7694	104 315 87	0.00083
Protein name		Locus Name	Acc#
		sp:INVA_BARBA	P35640
Description			
INVASION PROTEI	1 A		
		7.7	
ORF Name	NTID AAID	NT AA Score Length Length	Probability
6814062_f2_70	2473 7695	1248 3747 423	2.7e-38
Protein name		Locus Name	Acc#
biosynthesis of	teichuronic acid tuaB	pir:D69727	D69727
Description			
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ORF Name	NTID AAID	NT AA Score	Probability
6851660 <u></u> £2 <u></u> .96		70 213	4
Protein name		Locus Name	Acc#
Description			
NO-HIT			
ORF Name	NTID AAID	NT AA Score Length Length	Probability
6.923.3.78±315.0		488 1467	
Protein name		Locus Name	Acc#
Description			
NO-HIT			

		NT AA Score Probability
ORF Name	<u>NTID</u> <u>AAID</u>	Length Length
85901_c3_366	2476 7698	119 360
Protein name		Locus Name Acc#
Description		
NO-HIT		
		NT AA Score Probability
ORF Name	NTID AAID	Length Length Score Probability
915912 <u></u> ±3143	2477 7699	130 393 194 2.4e-15
Protein name		Locus Name Acc#
hypothetical prote	in	gp:AF158372 AF158372
Description		*
(gldB), GldC (gldC)	nnsoniae hypothetical , and hypothetical in gene, partial cd	al protein gene, partial cds;GldB protein genes, completecds; and s.
ORF Name	NTID AAID	NT AA Score Probability Length Length
975262£3149	2478 7700	611 1836
Protein name		Locus Name Acc#
Description		
NO-HIT		
ORF Name	NTID AAID	NT AA Score Probability Length Length
979137 £126	2479 7701	183 552
Protein name		Locus Name Acc#
Description		
NO-HIT		

	ORF Name
	2350306 <u></u> £3 <u></u> 12
	Protein name
	hypothetical protein
	Description
	ORF Name
	24335131 <u>f28</u>
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	hypothetical protein
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	ORF Name
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	Protein name

			$\underline{\mathtt{NT}}$	\underline{AA}	Score	Probability	
ORF Name	NTID	AAID	Length	Length			,
9959463_f3_146	2480	7702	331	96	150	9.7e-07	_
Protein name					Name	Acc#	
serine/threonine- PFB0150c	specific pro	otein kina	ase,	pir:H71	621	H71621	
Description							
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
23.503.06£312		7703	100	303	1.05	6.6e-06	
Protein name				Locu	s Name	Acc#	
hypothetical pro	tein PH0217			pir:G7	1244	G71244	
Description							
			NT	AA	Score	Probability	0
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
ORF Name 24335131£28		<u>AAID</u> 7704	Length		Score	Probability 5.1e-06]
			Length	Length			
24335131 <u></u> £2 <u></u> 8	2482		Length	Length	106 s Name	5.1e-06	
24335131f28 Protein name	2482		Length	Length 192 Locu	106 s Name	5.1e-06 <u>Acc</u> #	
Protein name hypothetical pro	2482		Length	Length 192 Locu	106 s Name 1245	5.1e-06 Acc# A71245	
Protein name hypothetical pro	2482		Length	Length 192 Locu pir:A7	106 s Name 1245	5.1e-06 <u>Acc</u> #	
Protein name hypothetical pro Description	2482 tein PH0219	7704	Length 63 NT	Length Locu pir:A7 AA Length	106 s Name 1245 Score	5.1e-06 Acc# A71245 Probability	
Protein name hypothetical pro Description ORF Name	2482 tein PH0219	7704 AAID	Length 63 NT Length	Length Locu pir:A7 AA Length	106 s Name 1245	5.1e-06 Acc# A71245	
Protein name hypothetical pro Description ORF Name 31539640_c1_14	2482 tein PH0219	7704 AAID	Length 63 NT Length	Length Locu pir:A7 AA Length	106 s Name 1245 Score	5.1e-06 Acc# A71245 Probability	

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ORF Name 11756280_f2_12 Protein name	NTID <u>AAID</u> 2484 7706	NT AA Score Probability Length Length 1546 1.3e-158 Locus Name Acc# gp:CEY51H4A AL132952
Description		A complete sequence.
Caenorhabditis ele	gans cosmid 151H4	A, complete sequence.
ORF Name 1198528_c1_58	NTID AAII	NT AA Score Probability Length Length 81 246
Protein name		Locus Name Acc#
Description		
NO-HIT		
ORF Name	NTID AAI	
ORF Name 1203442£215		<u>Length Length</u> <u>Score Propasificy</u> 211 636 364 2.4e-33
		D Length Length Score Plobability
		Length Length Score Propastificy 211 636 364 2.4e-33 Locus Name Acc#
1203442f215 Protein name	2486 7708	Length Length Score Propastificy 211 636 364 2.4e-33 Locus Name Acc# sp:SCE4_METEX Q49135
Protein name Description	2486 7708	Length Length 211 636 364 2.4e-33 Locus Name Acc# Sp:SCE4_METEX Q49135 NT AA Score Probability
Protein name Description	2486 7708	Length Length Length Length Score Propastiffy 211 636 364 2.4e-33 Locus Name Acc# Sp:SCE4_METEX Q49135 NT AA Score Length Length Score Probability
Protein name Description PUTATIVE SERINE C	YCLE ENZYME (ORF4	Length Length Score Propasitive
Protein name Description PUTATIVE SERINE C ORF Name	YCLE ENZYME (ORF4	Length Length Score Propastificy
Protein name Description PUTATIVE SERINE C ORF Name 126.73.76.7_f1_3	2486 7708 YCLE ENZYME (ORF4 NTID AAI 2487 7709	Length Length Score Propasitive

ORF Name	NTID AAID Length Length Score Probability
12947255_±1_1	2488 7710 309 930 855 2.2e-85
Protein name	Locus Name Acc#
hypothetical prot	pir:D72326 D72326
Description	
	NT AA Score Probability
ORF Name	NTID AAID Length Length
21680317 <u></u> f3 <u></u> 40	2489 7711 102 309 73 0.016
Protein name	Locus Name Acc#
hypothetical pro	ein aq_862 pir:F70374 F70374
Description	
	NT AA Score Probability
ORF Name	NTID AAID Length Length
21932163 <u></u> £3 <u></u> 45	
Protein name	Locus Name Acc#
Description	
NO-HIT	
	NTID AAID Length Length Score Probability
ORF Name	TAA 1000 111 11 50-06
23.5.0.3.0.6 <u></u> c2 <u></u> 6.9	2491 7713 100 303 111 1.5e 00 Locus Name Acc#
Protein name hypothetical pro	
Description Description	em Phozir
Description	
ORF Name	$rac{ ext{NT}}{ ext{NTID}}$ AAID Length Length $rac{ ext{Eagth}}{ ext{Length}}$
24431500_f3_42	210 [022
Protein name	Locus Name Acc#
Description	
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NT AA Score Probability	
ORF Name NTID AAID Length Length	
24804561_f1_5	
Protein name Locus Name Acc#	
probable transcription regulator pir:T29062 T29062	
Description	
NT AA Grang Probability	-
ORF Name NTID AAID Length Length	
25813300_f3_392494 7716 1021 3066 1244 1.3e-126	
Protein name Locus Name Acc#	
acriflavine resistance protein (acrB) gp:AE001125	
Description	
Borrelia burgdorferi (section 11 of 70) of the complete genome.	
	_
NT AA Score Probability	
$rac{ ext{NT}}{ ext{ORF Name}}$ $rac{ ext{NTID}}{ ext{NTID}}$ $rac{ ext{AAID}}{ ext{Length}}$ $rac{ ext{Length}}{ ext{Length}}$	
AATD Length Length	
ORF Name NTID AAID Length Length	
ORF Name NTID AAID Length Length Score Probability 26204716_f2_18	
ORF Name NTID AAID Length Length Score Probability 26204716t218	
ORF Name NTID AAID Length Length Score Probability 26204716t218	
ORF Name NTID AAID Length Length Score Probability AAID Length Length Length Length NTID AAID Length Length Length ACC# NO-HIT NT AA NT AA Length	
ORF Name NTID AAID Length Length Score Probability 26204716t218]
ORF Name NTID AAID Length Length Score Probability 26204.716t218]
ORF Name NTID AAID Length Length Score Probability 26.20.4.7.16t218]
ORF Name NTID AAID Length Length Length Probability 26204716_f2_18 2495 7717 64 195 Locus Name Acc# Description NO-HIT NO-HIT NTID AAID Length Length Score Probability ORF Name NTID AAID Length Length Core Probability 333398568_c3_101 2496 7718 75 228 61 0.044 Protein name Locus Name Acc# MADS box-like protein gp:AB003323 AB003323	
ORF Name NTID AAID Length Length Score Probability 26.20.4.7.16t218]

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ORF Name	NTID	AAID	<u>NT</u> Length	AA Length	Score	Probability	7
34409692_f1_2	2497	7719	419 1	260	847	1.5e-84	J
Protein name				Locus	Name	Acc#	
				sp:HUT1	_BACSU	P42084	
Description							
HYDROLASE)							
			NT	AA		December 1 desc	
ORF Name	NTID	AAID	<u>Length</u>	Length	Score	Probability	
34651386_£2_24	2498	7720	489	L470			
Protein name				Locus	s Name	Acc#	
Description							
NO-HIT							
MO-HII			,				
NO-HII			NT	AA		Durch abd liter	
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
		<u>AAID</u> 7721	Length		Score	Probability	
ORF Name			Length	Length	Score s Name	Probability Acc#	
ORF Name 3.916.638±330			Length	Length			
ORF Name 3916638_f3_30 Protein name			Length	Length			
ORF Name 3.916.6.38f33.0 Protein name Description			Length	Length	s Name	Acc#	
ORF Name 3.916.6.38f33.0 Protein name Description			Length 213 NT Length	Length Locu AA Length	s Name	Acc# Probability	
ORF Name 3916638_f3_30. Protein name Description NO-HIT	2499 <u>NTID</u>	7721	Length 213 NT Length	Length Locu AA Length	s Name Score	Acc# Probability 6.7e-18	
ORF Name 3916638_f3_30 Protein name Description NO-HIT ORF Name 4103137_f1_6	NTID	7721 AAID 7722	Length 213 NT Length	Length Locu AA Length 930 Locu	Score 200 as Name	Acc# Probability 6.7e-18 Acc#	
ORF Name 3916638_f3_30. Protein name Description NO-HIT ORF Name 4103137_f1_6.	NTID	7721 AAID 7722	Length 213 NT Length	Length Locu AA Length	Score 200 as Name	Acc# Probability 6.7e-18	

Description	NTID AAID Length Length Score Probability 2501 7723 453 1362 840 8.5e-84 Locus Name Acc# 52kD antigen PG41 gp:AF175716 AF175716 Singivalis strain W50 immunoreactive 52kD antigenPG41 gene,
ORF Name 4422500_f3_37 Protein name Description	NTID AAID Length Length Score Probability 2502 7724 159 480 308 1.4e-26 Locus Name Acc# sp:HUTH_HUMAN P42357
HISTIDINE AMMO	NIA-LYASE, (HISTIDASE) NT AA Score Probability NTID AAID Length Length
53.316.6.5t19 Protein name AlgI Description	<u>Locus Name</u> <u>Acc#</u> gp:AF027499 AF027499
Azotobacter vi and AlgX, algin	nelandii mannuronan C-5-epimerase (algG) gene,partial cds; ate lyase (algL), AlgI, and AlgV genes,complete cds.
ORF Name 7057792_t2_19 Protein name	NTID AAID Length Length Score Probability 2504 7726 63 192 88 0.0036 Locus Name Acc# gp:D85752 D85752
Description Enterococcus bacH and bacI	aecalis plasmid pPD1 bacA, bacB, bacC, bacD, bacE,bacF, bacG, genes, complete cds.

ORF Name	NTID AAID	NT AA Score	Probability
14664052_c1_25	2505 7727	197 594 217	8.9e-18
Protein name		Locus Name	Acc#
RNA polymerase sig	gma factor SigZ-like	protein gp:AF137263	AF137263
Description			-Fair fugge
Bacteroides theta gene cluster, and complete cds.	iotaomicron 30S ribos RNA polymerase sigma	somal protein S16-likepr factorSigZ-like protein	(sigZ) genes,
		NT AA Score	Probability
ORF Name	NTID AAID	Length Length	
23495336_c1_24	2506 7728	Locus Name	Acc#
Protein name			
Description	Х.		
NO-HIT			
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ORF Name	NTID AAID	NT AA Score	Probability
		Length Length Score 811 2436 515	5.2e-46
ORF Name 24035707_c1_27 Protein name	2507 7729	Length Length Score 811 2436 515 Locus Name	5.2e-46 Acc#
ORF Name 24035707_c1_27 Protein name		Length Length Score 811 2436 515 Locus Name	5.2e-46
ORF Name 24035707c127 Protein name 115K outer membra	2507 7729	Length Length Score 811 2436 515 Locus Name	5.2e-46 Acc#
ORF Name 24035707c127 Protein name 115K outer membra protein Description	ane protein precursor	Length Length Score 811 2436 515 Locus Name	5.2e-46 <u>Acc#</u> JC6027
ORF Name 24035707c127 Protein name 115K outer membra protein Description ORF Name	ntid AAID	Length Length Score 1	5.2e-46 Acc# JC6027
ORF Name 24035707c127 Protein name 115K outer membra protein Description	ntid AAID	Length Length Score 1	JC6027 Probability
ORF Name 240.35.70.7c127 Protein name 115K outer membra protein Description ORF Name 292.96.910c126	ntid AAID	Length Length Score Locus Name SusC Dir:JC6027 NT Length Length Length Length 113	Drobability 0.00087 Acc# Drobability
ORF Name 240.35.70.7c127 Protein name 115K outer membra protein Description ORF Name 292.96.910c126	ntid AAID	Length Length Score	Drobability 0.00087 Acc# Drobability

ODE Namo	NTID AAID	NT AA Score Length Length	Probability
ORF Name 35328313_c2_31	2509 7731	381 1146 328	2.6e-28
Protein name		Locus Name	Acc#
receptor antigen	(RagA)	gp:PGI130872	AJ130872
Description			diago modor
Porphyromonas gi immunodominant 55	ngivalis W50 receptor kDa antigen.	antigen (rag) locus enc	Juliiga ilia juli
ORF Name	NTID AAID	NT <u>AA</u> Score Length Length	Probability
3906250_f2_14	2510 7732	167 504	
Protein name		Locus Name	Acc#
Description		-	
NO-HIT			
ORF Name	NTID AAID	NT AA Score	Probability
O102 =	141.11		
3.94.7287 <u></u> c338		95 285	
			Acc#
3947287 <u>c3</u> 38		95 285	Acc#
3947287c338 Protein name		95 285	Acc#
3947287C338 Protein name Description NO-HIT		P5 285 Locus Name NT AA Score	Acc# Probability
3947287C338 Protein name Description NO-HIT ORF Name		285 Locus Name	
Protein name Description NO-HIT ORF Name 10250001_c2_207		P5 285 Locus Name NT AA Length Length Score	
Protein name Description NO-HIT ORF Name 10250001_c2_207 Protein name		Docus Name Locus Name NT AA Length Length Score 109 330	Probability
Protein name Description NO-HIT ORF Name 10250001_c2_207		Docus Name Locus Name NT AA Length Length Score 109 330	Probability

		NT AA Score Probability
ORF Name	NTID AAID	Length Length
10735692_f1_26	2513 7735	431 1296 967 3.0e-97
Protein name		Locus Name Acc#
		sp:PUR2_HAEIN P43845
Description		
RIBONUCLEOTIDE S	(NTHETASE) (PHOSPHORI	BOSYLGLYCINAMIDE SYNTHETASE)
		NT AA Grave Probability
ORF Name	NTID AAID	NT AA Score Probability Length Length
10937551 c2_210	2514 7736	246 741 94 0.036
Protein name	*	Locus Name Acc#
DNA alkylation re	epair enzyme	gp:BAJ10128 AJ010128
Description		
	bc297a, alkD genes a	nd partial glyS gene.
		NT AA Score Probability Length Length
ORF Name	NTID AAID	NT AA Score Probability
ORF Name 11203138c2205	NTID AAID	NT AA Score Probability Length Length 60 0.048
ORF Name 11203138c2205 Protein name	NTID AAID 2515 7737	NT AA Score Probability Length Length 60 0.048 Locus Name Acc#
ORF Name 11203138c2205 Protein name alpha 1,2 fucosy	NTID AAID 2515 7737	NT AA Score Probability Length Length 60 0.048 Locus Name Acc#
ORF Name 11203138c2205 Protein name alpha 1,2 fucosy Description	NTID AAID 2515 7737 Itransferase	NT Length AA Length Score Probability 65 198 60 0.048 Locus Name Acc# gp:AF042743 AF042743
ORF Name 11203138c2205 Protein name alpha 1,2 fucosy Description	NTID AAID 2515 7737 Itransferase	NT AA Score Probability Length Length 60 0.048 Locus Name Acc#
ORF Name 11203138c2205 Protein name alpha 1,2 fucosy Description	NTID AAID 2515 7737 Itransferase	NT AA Score Probability Length Length 60 0.048 Locus Name Acc# AF042743 Pransferase mRNA, partial cds. NT AA Score Probability
ORF Name 11203138c2205 Protein name alpha 1,2 fucosy Description	NTID AAID 2515 7737 Itransferase	NT AA Score Probability 65
ORF Name 11203138c2205 Protein name alpha 1,2 fucosy Description Rattus norvegicu	NTID AAID TO SEE THE	NT AA Score Probability 65
ORF Name 11203138c2205 Protein name alpha 1,2 tucosy Description Rattus norvegicu	NTID AAID TO SEE THE	NT AA Score Probability 65
ORF Name 11203138c2205 Protein name alpha 1,2 fucosy Description Rattus norvegicu ORF Name 1194632c3244	NTID AAID TO SEE THE	NT AA Score Probability 65
ORF Name 11203138_c2_205 Protein name alpha 1,2 fucosy Description Rattus norvegicu ORF Name 1194632_c3_244	NTID AAID TO SEE THE	NT AA Score Probability 65

ORF Name NTID AAID Length Length Score Probability 12350205_f3_94 2517 7739 614 1845 1095 8.1e-111 Protein name Locus Name Acc# sp:UVRC_BACSU P14951
Description
EXCINUCLEASE ABC SUBUNIT C
ORF Name NTID AAID Length Length Score Probability 12542657 f3_111 2518 7740 288 867 533 2.9e-51
Protein name Locus Name Acc#
ABC-type transport protein slr2044:protein pir:S75197 S75197 slr2044:protein slr2044
Description
ORF Name NTID AAID Length Length
12973466cl168
Protein name AF026471 AF026471
Cps2J Description
Streptococcus pneumoniae DexB (dexB) gene, partial cds; putativetransposase gene, complete cds; type 2 capsular polysaccharidebiosynthesis operon, complete sequence; and AliA (aliA) gene, partial cds.
NTID AAID Length Length
ORF Name 1256 434 9.0e-41
Locus Name Acc#
spore maturation protein B:hypothetical protein sll1677:hypothetical protein sll1677
Description

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ODE Name	NTID AAID	NT AA Score Probability Length Length
ORF Name		159 480 163 4.7e-12
16228385_£3_108	2521 7743	
Protein name		
alkaline phosphata	se homolog ykoX	pir:B69861 B69861
Description		
		NT AA Score Probability
ORF Name	NTID AAID	Length Length Score Probability
16508444 <u></u> c1 <u></u> 123	2522 7744	408 1227
Protein name		Locus Name Acc#
Description		
NO-HIT		
		NT AA Score Probability
ORF Name	NTID AAID	Length Length 2.9e-19
20734688 <u></u> c1146	2523 7745	
Protein name		Locus Name Acc#
		sp:YEHT_ECOLI
Description		· · · · · · · · · · · · · · · · · · ·
HYPOTHETICAL 27.9	KD PROTEIN IN MOLF	R-BGLX INTERGENIC REGION
		NT AA Score Probability
ORF Name	NTID AAID	Length Length
20798338t127	2524 7746	245 738 86 0.0026
Protein name		Locus Name Acc#
orf98		gp:AF160864 AF160864
Description		
	formis mitochondria	1 DNA, complete genome.
Tetranymena pyrii	OFWIE WITCOOLONGE TO	

ORF Name NTID AAID Length Length Probability	
20882827_f1_34	
Protein name Locus Name Acc#	
Description	
NO-HIT	_
$rac{ ext{NT}}{ ext{CRF Name}} rac{ ext{AA}}{ ext{NTID}} rac{ ext{AAID}}{ ext{Length}} rac{ ext{Length}}{ ext{Length}}$	
21907892 <u>t267</u> 2526 7748 305 918 175 2.2e-26	
Protein name Locus Name Acc#	
conserved hypothetical protein pir:C75368 C75368	
Description	
NT AA Score Probability	
ORF Name NTID AAID Length Length	
21991666t1282527	
Protein name Locus Name Acc#	
adhesion protein pir:C69180 C69180	
Description	
NT AA Score Probability	
ORF Name NTID AAID Length Length	
2347.7186±114	
Protein name Locus Name Acc#	
Description	
NO-HIT	
NT AA Score Probability	
ORF Name NTID AAID Length Length	
23595331c3251 2529]
Protein name Locus Name Acc#	
hypothetical protein sll1151 pir:S74882 S74882	
Description	
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ORF Name NTID AAID Length Length Secondary 23631937 13 88 2530 7752 143 432 177 1.5e-13 Protein name Locus Name Acc# Conserved hypothetical protein TP0650 pir:A71300 A71300 Description NTID AAID Length Length Score Probability 232536.71_13_101 2531 7753 120 363 Locus Name Acc# Protein name Locus Name Acc# Locus Name Acc# Description NO-HIT AAID Length Length Length Protein name Locus Name Acc# Acc# Description NO-HIT AAID Length Length Length Protein name NTID AAID Length Length Acc# Description NO-HIT AAID Length Length Length		NT AA Score Probability
Protein name	ORF Name	
Description	23631937_f3_88	2530 7752 143 432
Description	Protein name	Locus Name Acc#
ORF Name NTID AAID Length Length Score Probability 242596.71_H3_101 2531 7753 120 363 Locus Name Acc# Protein name Locus Name Acc# Description NO-HIT AAID Length Length Score Probability Protein name Locus Name Acc# Description NO-HIT AAID AAID Length Score Probability Protein name NTID AAID Length Length Length Protein name Locus Name Acc# Protein name Locus Name Acc#	conserved hypothe	tical protein TP0650 pir:A71300 A71300
ORF Name NTID AAID Length Length Score Frozability 242596.77	Description	
ORF Name NTID AAID Length Length Score Frozability 242596.77		NT AA Grang Brobability
Protein name	ORF Name	Score From From Score
Description NO-HIT	242596.77 <u></u> £3101	2531 7753 120 363
NO-HIT NTID AAID Length Length Score Length Probability 24651660G3243	Protein name	Locus Name Acc#
NO-HIT NTID AAID Length Length Score Length Probability 24651660G3243	Pagarintion	
ORF Name NTID AAID Length Length Score Probability 24651660c3243		
ORF Name NTID AAID Length Length Frobability 24651660C3243	NO-HII	
246.516.60c3243	ODE Name	Score Plobability
Protein name Locus Name Acc# Description NO-HIT NT AA Score Probability ORF Name NTID AAID Length Length Score Probability 2516.025_c1_126 2533 7755 405 1218 Protein name Locus Name Acc# Description		100 11220
Description NO-HIT NT AA Score Probability ORF Name NTID AAID Length Length Probability 2516.025cl_126		
NO-HIT NT AA Score Probability ORF Name NTID AAID Length Length Probability 2516.025c1126		
ORF Name NTID AAID Length Length Score Probability 2516.025c1126	Description	
ORF Name NTID AAID Length Length 2516.025_c1_126	NO-HIT	
ORF Name NIID 2516.025c1126		Score Flobability
Protein name Description Locus Name Acc#		N115
Protein name Description	2516025 <u></u> c1126	
	Protein name	Locus Name
NO-HIT	Description	

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Plasmodium falcipa	arum MALISPO	, compree	- Bedress		
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Sco
26598453_£3_96	2535	7757	302	009	544
Protein name				Locus	
				sp:DEO	_CA
Description		DEOXYRIBO	ALDOLASE		
(PHOSPHODEOXYRIBO	ALDOLASE) (DEOXIKIBO	ADDOURDE	<u>'</u>	
ORF Name	NTID	AAID	<u>NT</u> Length	AA Length	Sc
29558432 <u>f1</u> 25	2536	7758	627	1884	81
Protein name				Locu	
X-Pro dipeptidyl-	peptidase,			pir:JC	5144
Description		, ¹⁰⁰			
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Sc
3.027.6587 <u></u> c1157	2537	7759	132	399	
Protein name				Locu	s N

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Length

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Score

91

Locus Name

gp:PFMAL3P8

Probability

Acc#

Probability

2.0e-52

Acc#

Q19264

Probability

1.8e-81

Acc#

JC5142

Probability

Acc#

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NT

Length

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AAID

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NTID

2534

ORF Name

26359436_t1_17

Protein name

Description

Description

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			NT	<u>AA</u> Length	Score	Probability	
ORF Name	NTID	AAID	Length		B 01	5.1e~15	
30479750_£2_56	2538	7760	151	56	191		
Protein name				Locu	s Name	Acc#	
				sp:YPJ	D_BACSU	P42979	
Description							
HYPOTHETICAL 13.0	KD PROTEIN	IN QCRC-	DAPB INT	ERGENIC	REGION		
				AA			
ORF Name	NTID	AAID	<u>NT</u> Length	Length	Score	Probability	
30664678_c2_173	2539	7761	377	1134	131	1.8e-05]
Protein name				Locu	s Name	Acc#	
glucose-binding p	rotein			gp:PPU	74323	U74323	
				J L	-		
Description Pseudomonas pution		inding n	ofein (a	IFB) gen	e, compl	etecds.	
Pseudomonas putlo	ia grucose-p	THOTHA P	.00011	, 5			
			NT	AA	Score	Probability	
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
	NTID		NT	<u>AA</u> Length 915	Score 91	Probability	
ORF Name	NTID	AAID	<u>NT</u> Length	AA Length 915 Locu	Score 91 us Name	Probability 0.017 Acc#]
ORF Name 31444012_c1_161	NTID	AAID	<u>NT</u> Length	AA Length 915 Locu	Score 91	Probability	
ORF Name 3.1444012_c1_161 Protein name Gly10RF1 Description	<u>NTID</u> 	<u>AAID</u> 7762	NT Length	AA Length 915 Locu	Score 91 us Name	Probability 0.017 Acc# AF003941	
ORF Name 31444012_c1_161 Protein name Gly10RF1	<u>NTID</u> 	<u>AAID</u> 7762	NT Length	AA Length 915 Locu	Score 91 us Name	Probability 0.017 Acc# AF003941]
ORF Name 3.1444012_c1_161 Protein name Gly10RF1 Description	<u>NTID</u> 	<u>AAID</u> 7762	NT Length 304	AA Length 915 Locu	Score 91 us Name 003941 complete o	Probability 0.017 Acc# AF003941	
ORF Name 3.1444012_c1_161 Protein name Gly10RF1 Description	<u>NTID</u> 	<u>AAID</u> 7762	NT Length	AA Length 1915 Locu 199:AF0 199:AF0 199:AA	Score 91 us Name 003941 omplete o	Probability 0.017 Acc# AF003941 cds. Probability]
ORF Name 3.1444012_c1_161 Protein name Gly10RF1 Description Neisseria gonorr	NTID 2540 noeae Glylor NTID	AAID 7762 RF1 and G	NT Length 304 ly10RF2 9	AA Length P15 Loca gp:AF genes, co AA Length	Score 91 us Name 003941 omplete o	Probability 0.017 Acc# AF003941	
ORF Name 31444012_c1_161 Protein name Gly10RF1 Description Neisseria gonorri	NTID 2540 noeae Glylor NTID	AAID 7762 RF1 and G	NT Length 304 ly10RF2 c	AA Length 1915 Loca 192:AF6 1635	Score 91 1s Name 003941 omplete of Score	Probability 0.017 Acc# AF003941 cds. Probability	
ORF Name 3.14440.12_c1_161 Protein name Gly10RF1 Description Neisseria gonorri ORF Name 3.3400.260_t1_6	NTID 2540 noeae Glylor NTID 2541	AAID 7762 RF1 and G AAID 7763	NT Length 304 ly10RF2 c	AA Length 915 Locu 9p:AF genes, co AA Length 1635 Loc	Score 91 Is Name 003941 complete of Score 123	Probability 0.017 Acc# AF003941 Eds. Probability 0.00055	
ORF Name 31444012c1161 Protein name Gly10RF1 Description Neisseria gonorri ORF Name 33400260f16	NTID 2540 noeae Glylor NTID 2541	AAID 7762 RF1 and G AAID 7763	NT Length 304 ly10RF2 c	AA Length 915 Locu 9p:AF genes, co AA Length 1635 Loc	Score 91 IS Name 003941 Omplete of Score 1 23 US Name	Probability 0.017 Acc# AF003941 cds. Probability 0.00055 Acc#	

ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
33678186_c2_202	2542	7764	154	165		
Protein name				Locus	s Name	Acc#
Description						
NO-HIT						
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
33992811 <u>.</u> ±3 <u></u> .95	2543	7765	158	177	379	6.1e-35
Protein name			*	Locus	s Name	Acc#
hypothetical prote	in			pir:S3	9974	S39974
Description			./_	ī	-	*
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
34183407 <u>_</u> £2 <u>_</u> 72	2544	7766	191	576		
Protein name				Locus	s Name	Acc#
Description						
NO-HIT		*.				
			NT	AA		
	NTID	AAID	NT Length	AA Length	Score	Probability
по-ніт		<u>AAID</u> 7767	Length		Score	Probability
NO-HIT ORF Name		-	Length	Length		
NO-HIT ORF Name 4314637tl22		-	Length	Length 012 Locus	698	9.5e-69

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ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
4490938_f3_93	2546 7	768	631	1896	1457	3.5e-149	
Protein name				Locus	Name	Acc#	
				sp:GIDA	A_PSEPU	P25756	
Description				L			
GLUCOSE INHIBITED	DIVISION PRO	TEIN A				-	7
							<u> </u>
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
4579011_f3_100	2547 7	769	454	1365	667	1.8e-65	
Protein name				Locus	Name	Acc#	
				sp: Y064	L_SYNY3	Q55156	
Description				L	·		
HYPOTHETICAL 43.0	KD PROTEIN S	LR0064	*				7
			NTT	7) 7)			
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
ORF Name 4687767 <u></u> c3242		<u>AAID</u> 770	Length		Score	Probability	
			Length	Length	Score S Name	Probability Acc#	
4687767_c3_242 Protein name			Length	Length			
Protein name Description			Length	Length			
4687767_c3_242 Protein name			Length	Length			
Protein name Description			Length	Length]
Protein name Description NO-HIT	2548 7 NTID	770	Length 566 NT Length	Length 1701 Locus	s Name	Acc#]
Protein name Description NO-HIT ORF Name 4719628_t1_36	2548 7 NTID	770	Length 566 NT Length	Length Locus AA Length	Score	Acc# Probability 4.1e-52]
Protein name Description NO-HIT ORF Name	2548 7 NTID	770	Length 566 NT Length	Length Locus AA Length Locus Locus	Score 541 Name	Acc# Probability 4.1e-52 Acc#]
Protein name Description NO-HIT ORF Name 4719628_f1_36 Protein name	2548 7 NTID	770	Length 566 NT Length	Length Locus AA Length	Score 541 Name	Acc# Probability 4.1e-52	
Protein name Description NO-HIT ORF Name 4719628_t1_36	NTID 2549 7	AAID	Length 566 NT Length 312	Length Locus AA Length Sp:YJES	Score [541 S Name S ECOLI	Acc# Probability 4.1e-52 Acc# P39288	

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ORF Name NTID AAID Length Length Score Probability 4766461_f2_52 2550 7772 240 723 396 9.6e-37 Protein name Locus Name Acc# sp:APT1_WHEAT Q43199]
Description ADENINE PHOSPHORIBOSYLTRANSFERASE 1, (APRT)	
ORF Name NTID AAID Length Length Score Probability 4804652_c1_145 2551 7773 679 2040 225 3.6e-15 Protein name Locus Name Acc# gp:D90868 Gp:D90868]
Description E.coli genomic DNA, Kohara clone #414(53.8-54.2 min.).	
ORF Name NTID AAID Length Length Score Probability 5292206f2_75	
Description (ORF2)	
ORF Name NTID AAID Length Length Score Probability 625.4457c3248]
HOLLIDAY JUNCTION DNA HELICASE RUVB	<u> </u>

	NTID AAID	NT AA Score Length Length	Probability
ORF Name		354 1065 478	2.0e-45
6525_c1_151	2554 7776	Locus Name	Acc#
Protein name			AF153713
octylprenyl dip	hosphate synthase-like	protein gp:AF153713	AF155/15
Description		4	
Pseudomonas sp.	BG33R strain BG33R oct	ylprenyl diphosphatesynt	inase-like
protein gene, co	omplete cas.		
	7.7.TD	NT AA Score	Probability
ORF Name	NTID AAID		
7078137_c2_200	2555 7777	136 411	Acc#
Protein name		Locus Name	Accπ
Description			
NO-HIT			
μνο 11-1			
		NT AA	Puchahilita
OPE Name	NTID AAID	NT AA Score	Probability
ORF Name		Score	Probability 5.0e-214
894058 <u></u> £2 <u></u> 60		Length Length	
8.94058£260 Protein name	2556 7778	Length Length Score 1001 3006 2069 Locus Name	5.0e-214
B.940.58f260 Protein name DNA polymerase	2556 7778	Length Length Score 1001 3006 2069	5.0e-214 Acc#
Protein name DNA polymerase Description	2556 7778	Length Length 2069 Locus Name gp:AF121780	5.0e-214 <u>Acc#</u> AF121780
Protein name DNA polymerase Description	2556 7778	Length Length 2069 Locus Name gp:AF121780 e I (polA) gene, complete	5.0e-214 <u>Acc#</u> AF121780
Protein name DNA polymerase Description	2556 7778 1 I	Length Length Score Locus Name Gp:AF121780 Property of the	Acc# AF121780 e cds.
Protein name DNA polymerase Description Rhodothermus of	2556 7778 Tobamensis DNA polymerase NTID AAID	Length Length 2069 Locus Name gp:AF121780 e I (polA) gene, complete NT AA Length Length	Acc# AF121780 e cds.
Protein name DNA polymerase Description Rhodothermus of	2556 7778 Tobamensis DNA polymerase NTID AAID	Length Length Score 1001 3006 2069 Locus Name gp:AF121780 e I (polA) gene, complete NT AA Length Length 256 771 112	5.0e-214 Acc# AF121780 e cds. Probability 6.3e-05
Protein name DNA polymerase Description Rhodothermus of ORF Name 10187642_f1_26.	2556 7778 Dobamensis DNA polymerase NTID AAID 2557 7779	Length Length Score 1001 3006 2069 Locus Name gp:AF121780 e I (polA) gene, complete NT	5.0e-214 Acc# AF121780 e cds. Probability 6.3e-05 Acc#
Protein name DNA polymerase Description Rhodothermus of the control of the con	2556 7778 Tobamensis DNA polymerase NTID AAID	Length Length Score 1001 3006 2069 Locus Name gp:AF121780 e I (polA) gene, complete NT	5.0e-214 Acc# AF121780 e cds. Probability 6.3e-05
Protein name DNA polymerase Description Rhodothermus of ORF Name 10187642_f1_26.	2556 7778 Dobamensis DNA polymerase NTID AAID 2557 7779	Length Length Score 1001 3006 2069 Locus Name gp:AF121780 e I (polA) gene, complete NT	5.0e-214 Acc# AF121780 e cds. Probability 6.3e-05 Acc#

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ORF Name NTID AAID Length Length	cobability
1035311_f2_115	Acc#
Description	2
NO-HIT	
ORF Name NTID AAID Length Length	robability
10354011c2312	Acc#
Description	* *
NO-HIT	
ORF Name NTID AAID Length Length	Probability
10550306c3436	Acc <u>#</u>
Protein name Locus Name	Acom
Description	
NO-HIT	
AAID Length Length	Probability
ORF Name NIID 1812 1979	
11989088C2364	ACC#
Protein name	
Description	-
NO-HIT	

NT

Length

309

AAID

7784

NTID

2562

ORF Name

1220317_f2_113

Probability

9.3e-23 ←

Score

264

Length

930

ORF Name NTID AAID Length Length Length MT AA Score Probability 6.8e-43 Protein name Locus Name Acc# O-unit flippase-like protein Description Yersinia pestis strain EV76 hemH gene (partial) and O-antigen genecluster for ddhD gene, ddhA gene, ddhB pseudogene, ddhC gene, prtgene, wbyH gene, wzx gene, wbyI pseudogene, wbyJ gene, wzypseudogene, wbyK gene, gmd pseudogene, fcl pseudogene, manC gene, wbyL gene, manB gene, wzz gene and gsk gene (partial).	
ORF Name NTID AAID Length Length Score Probability 14496090_c2_321	—
Description Streptococcus pneumoniae strain SP-264 alpha, 1-6-glucosidase(dexB) gene, complete cds; capsular polysaccharide biosyntheticlocus, complete sequence; and oligopeptide binding protein (aliA)gene, complete cds. ORF Name NTID AAID Length Length Length 74 0.013	
Protein name hypothetical protein Description Locus Name Acc# pp:SSU18930 Y18930	

RF Name NTID AAID Length Length	
9551535_t3_192]
Locus Name Acc#	
Protein name unknown gp:LLU35629 U35629	
Description Lactococcus lactis plasmid pSRQ802 abortive infection protein K(abiK) gene,	
complete cds.	
NT AA Score Probability	
ORF Name NTID AAID Length Length	
.994055_c3_451	ا
Protein name Locus Name Acc#	
capsular polysaccharide biosynthesis homolog pir:H70066 H70066	
Description	
NIT AA	
ORF Name NTID AAID Length Length Score Probability	ia.
AND Length Length	ta .
ORF Name NTID AAID Length Length	Sa .
ORF Name NTID AAID Length Length Score Probability 20492137f3188	52
ORF Name NTID AAID Length Length Score Probability 20492137f3188	52
ORF Name NTID AAID Length Length Score Probability 20492137f3188	12
ORF Name NTID AAID Length Length 20492137i3188	- Y
ORF Name NTID AAID Length Length Description NO-HIT NTID AAID Length Length Length Length AAID Length Length Length AAID Length Length Length AAID Length Length	
ORF Name NTID AAID Length Length Score Probability 20492137i3188	
ORF Name NTID AAID Length Length Score Probability 20492137t3188	
ORF Name NTID AAID Length Length Score Flobability 20492137t3188	

ORF Name	NTID	AAID	<u>NT</u> Length	AA Length	Score	Probability	
23486536_c2_340 Protein name	2574	7796	60	Locus	s Name	Acc#	
Description							
NO-HIT							
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
23554651c2349	. 2575	7797	370	1113	1086	7.3e-110	
Protein name				Locus	s Name	Acc#	
PhnW			-	gp:STU	59493	U69493	
Description	·				- N		
* * * * * * * * * * * * * * * * * * * *						AL 32 S1 24	_
Salmonella typhimum PhnR, PhnS, PhnT, Ph	nnU and Ph	nV genes,	complet NT	e cds.	score	PhnX, PhnW, Probability	
Salmonella typhimur	nnU and Ph		NT Length	e cds.			
Salmonella typhimum PhnR, PhnS, PhnT, Ph ORF Name	nnU and Ph	nV genes,	NT Length	AA Length			
Salmonella typhimur PhnR, PhnS, PhnT, Ph ORF Name	nnU and Ph	nV genes,	NT Length	AA Length	Score	Probability	
Salmonella typhimum PhnR, PhnS, PhnT, Ph ORF Name 23565628_f3_241 Protein name	nnU and Ph	nV genes,	NT Length	AA Length	Score	Probability	
Salmonella typhimum PhnR, PhnS, PhnT, Ph ORF Name 23565628_f3_241 Protein name Description	nnU and Ph	nV genes,	NT Length	AA Length	Score	Probability	
Salmonella typhimum PhnR, PhnS, PhnT, Ph ORF Name 235.65.628_f3_241 Protein name Description NO-HIT	NTID NTID	AAID	NT Length NT Length NT Length	AA Length Locus	Score S Name	Probability Acc#	
Salmonella typhimum PhnR, PhnS, PhnT, Ph ORF Name 23565628_f3_241 Protein name Description NO-HIT ORF Name	NTID NTID	AAID 7798 AAID	NT Length NT Length NT Length	AA Length AA Locus AA Length AA Length	Score Score	Probability Acc# Probability	

NT AA Score Probability
ORF Name NTID AAID Length Length 340 8.2e-31
23631627_c2_346
Protein name Locus Name Acc#
conserved hypothetical protein aq_1964 pir:D70468 D70468
Description
NT AA Score Probability
ORF Name NTID AAID Length Length Probability
23632211 <u>f3</u> 239
Protein name Locus Name Acc#
Protein mame
Description
NO-HIT
NTID AAID Length Length
ORF Name N115 122 1738 1799 17.2e-16
Protein name
hypothetical protein gp:EFY17797 Y17797
hypothetical protein Description Description Description
Enterococcus faecalis gph, ydjH, ydjG, ydjI, pbp4 and yd19, om
genes, partial.
NT AA Score Probability OPE Name NTID AAID Length Length
ORF Name 4.2e-27
236.970.51c2357
Protein name sp:RUVA_PSEAE Q51425
52.10.11_
Description
HOLLIDAY JUNCTION DNA HELICASE RUVA

	NTID	AAID	Length	Length	Score	
ORF Name		7804		33	107	0.022
24066055_f3_173	2502		L L		s Name	Acc#
Protein name						110011
				gp:SCY	DL057W	
Description						
S.cerevisiae chro	omosome IV re	eading fra	ame ORF	ZDL057w.	*	
			NT	AA		
ORF Name	NTID	AAID	Length	Length	Score	Probability
	2583	7805	202	609	301	1.1e-26
24353386_£1_45	2583	7003	I		ıs Name	Acc#
Protein name						
				sp:YQE	J_BACSU	P54455
Description						
	2 KD PROTEIN	IN AROD-	COMER IN	TERGENIC	REGION	T- 4
Description HYPOTHETICAL 22.	2 KD PROTEIN	IN AROD-			REGION	
HYPOTHETICAL 22.		IN AROD-	NT	TERGENIC <u>AA</u> Length	Score	Probability
HYPOTHETICAL 22.	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
HYPOTHETICAL 22.	NTID		<u>NT</u> Length	<u>AA</u> Length	Score	2.4e-08
ORF Name 24412952_c3_452 Protein name	<u>NTID</u>	<u>AAID</u> 7806	<u>NT</u> Length	AA Length 441 Loca	Score 128 US Name	
ORF Name 24412952_c3_452	<u>NTID</u>	<u>AAID</u> 7806	<u>NT</u> Length	<u>AA</u> Length	Score 128 US Name	2.4e-08
ORF Name 24412952_c3_452 Protein name	<u>NTID</u>	<u>AAID</u> 7806	<u>NT</u> Length	AA Length 441 Loca	Score 128 US Name	2.4e-08
ORF Name 24412952_c3_452 Protein name cold shock prote	<u>NTID</u>	<u>AAID</u> 7806	NT Length	AA Length 441 Loca pir:S	Score 128 US Name	2.4e-08 Acc#
ORF Name 24412952_c3_452 Protein name Cold shock protein Description	NTID 2584 in homolog c	AAID 7806 spC	NT Length 146	AA Length Loca pir:S	Score 128 US Name 43618	2.4e-08 Acc#
ORF Name 24412952_c3_452 Protein name Cold shock prote Description ORF Name	NTID 2584 in homolog c	AAID 7806 spC AAID	NT Length 146 NT Length	Length Loca pir:S AA Length	Score 128 US Name 43618	2.4e-08 Acc# Probability
ORF Name 24412952_c3_452 Protein name Cold shock protein Description	NTID 2584 in homolog c	AAID 7806 spC	NT Length 146	AA Length Loca pir:S AA Length	Score	2.4e-08 Acc# Probability 1.8e-99
ORF Name 24412952_c3_452 Protein name Cold shock prote Description ORF Name	NTID 2584 in homolog c	AAID 7806 spC AAID	NT Length 146 NT Length	AA Length Loca pir:S AA Length	Score 128 US Name 43618	2.4e-08 Acc# Probability 1.8e-99 Acc#
ORF Name 24412952_c3_452 Protein name Cold shock prote Description ORF Name 24469555_c1_275	NTID 2584 in homolog c NTID 2585 cosamine	AAID 7806 spC AAID 7807	NT Length 146 NT Length 438	AA Length Loca pir:S AA Length 1317	Score	2.4e-08 Acc# Probability 1.8e-99

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ORF Name 24644068_f3_203 Protein name	NTID AAID Length Length Score Probability 2586 7808 154 465 322 6.6e-29 Locus Name Acc# Sp:NRDG_HAEIN P45080	
Description		
(EC 1.97.1)		_
ORF Name	NTID AAID Length Length Score Probability 17809 210 633 110 3.5e-06	1 .
24645138_c3_444	2587 7809 210 030	J
Protein name		
unknown	gp:AF048749 AF048749	
Description	The Tig energy complete	
Bacteroides frags	lis capsular polysaccharide biosynthesis operon,complete	
ORF Name	NTID AAID Length Length	
ORF Name 24648443_c3_394	NTID AAID Length Length Score Flobability 2588 7810 474 1425 451 1.4e-42	
	NTID AAID Length Length Score Flobability 2588 7810 474 1425 451 1.4e-42 Locus Name Acc#	
24648443 <u></u> c3. <u>.</u> 394	NTID AAID Length Length Score Flobability 2588 7810 474 1425 451 1.4e-42]
Protein name Description	NTID AAID Length Length Score Flobability 2588 7810 474 1425 451 1.4e-42 Locus Name Acc# Sp:YEBU_ECOLI	
Protein name Description	NTID AAID Length Length Score Flobability 2588 7810 474 1425 451 1.4e-42 Locus Name Acc#]
Protein name Description	NTID AAID Length Length Score Probability 1.4e-42 Locus Name Acc# Sp:YEBU_ECOLI KD PROTEIN IN PRC-PRPA INTERGENIC REGION NT AA Score Probability	
Protein name Description	NTID AAID Length Length Score Probability 2588 7810 474 1425 451 1.4e-42 Locus Name Acc# Sp:YEBU_ECOLI EXAMPLE OF PROTEIN IN PRC-PRPA INTERGENIC REGION NTID AAID Length Length Score Probability AAA Score Probability	
Protein name Description HYPOTHETICAL 53. ORF Name 24804691_f2_152	NTID AAID Length Length Score Probability Locus Name Acc# Sp:YEBU_ECOLI PROTEIN IN PRC-PRPA INTERGENIC REGION NTID AAID Length Length NTID AAID Length Length 1.3e-204	
Protein name Description HYPOTHETICAL 53. ORF Name 24804691_f2_152 Protein name	NTID AAID Length Length Length Length Length Length Locus Name Acc#	

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ORF Name	NTID 2	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
2538562_c3_406	2590 783	12	139		191	5.1e-15	
Protein name				Locus		Acc#	
response regulat	or homolog	0		pir:A69	531	A69531	
Description	-						
			$\underline{ ext{NT}}$	AA	Score	Probability	
ORF Name	NTID	AAID	Length	Length		7 00070	
2540885 <u>f1</u> 5		13	483	1452	119	0.00070	
Protein name					Name	Acc#	
receptor antige	n B (RagB)			gp:PGI	130872	AJ13087	'2
Description						0	
Porphyromonas	ingivalis W50 re	eceptor	antigen	(rag) Id	ocus enc	odinga major	
immunodominant 5	Skua ancigen.						
immunodominant	skba antigen.		Nm	AΑ			_
	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
ORF Name	NTID	AAID 814			<u>score</u> 677	Probability	
ORF Name 25510927f3242.	NTID		Length	Length	*		
ORF Name	NTID		Length	Length 1290 Locu	677	1.6e-66	<u>'</u>
ORF Name 25510927f3242 Protein name	NTID		Length	Length 1290 Locu	677 s Name	1.6e-66 Acc#	
ORF Name 25510927t3242 Protein name Description	<u>NTID</u>	814	Length	Length 1290 Locu sp:YWN	677 .s Name IE_BACSU	1.6e-66 Acc#	
ORF Name 25510927t3242 Protein name Description	NTID	814	Length	Length 1290 Locu sp:YWN	677 .s Name IE_BACSU	1.6e-66 Acc#	
ORF Name 25510927t3242 Protein name Description	<u>NTID</u>	N SPOI	Length 429 IQ-MTA II	Length Locu Sp:YWN NTERGENIC	677 S Name E_BACSU REGION Score	1.6e-66 Acc#	
ORF Name 25510927t3242 Protein name Description	<u>NTID</u>	814	Length 429 IQ-MTA I	Length Locu sp:YWN NTERGENIC AA Length	677 S Name E BACSU REGION Score	1.6e-66 Acc# P71040 Probability	
ORF Name 2551.0927f3242 Protein name Description HYPOTHETICAL 5	NTID 2592 7 5.8 KD PROTEIN I NTID	N SPOI	Length 429 IQ-MTA I	Length Locu Sp:YWN NTERGENIC AA Length 1347	677 S Name E BACSU REGION Score	1.6e-66 Acc# P71040 Probability 4.2e-22	
ORF Name 2551.0927f3242 Protein name Description HYPOTHETICAL 5	NTID 2592 7 5.8 KD PROTEIN I NTID	N SPOI	Length 429 IQ-MTA I	Length Locu Sp:YWN NTERGENIC AA Length 1347 Locu	677 S Name E BACSU REGION Score 262 LS Name	1.6e-66 Acc# P71040 Probability 4.2e-22 Acc#	Y
ORF Name 25510927f3242 Protein name Description HYPOTHETICAL 5 ORF Name 25594152c1269 Protein name	NTID 2592 7 5.8 KD PROTEIN I NTID	N SPOI	Length 429 IQ-MTA I	Length Locu Sp:YWN NTERGENIC AA Length 1347	677 S Name E BACSU REGION Score 262 LS Name	1.6e-66 Acc# P71040 Probability 4.2e-22	Y

ORF Name	NTID I	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
26212837_c3_465	2594 783	L6	482 14	149	1671	7.4e-172]
Protein name				Locus	Name	Acc#	
polyA polymerase				gp:AB02	2867	AB022867	
Description							
Prevotella rumini and cellulase, com	cola genes for plete cds.	polyA]	polymera	se, D-al	aninegiy	Cinepermease	
			NT	<u>AA</u>	Score	Probability	
ORF Name		AAID	Length	Length 18	130	1.5e-08	7
26305136_c3_418	2595 78	17	205 6			Acc#	_
Protein name					Name M_HAEIN	P44568	
				sp:RIM	M_HAEIN		
Description		M. A.				.]	
	אוויש ואוישיויי סוסר יישדאיי	UVI				1	
16S RRNA PROCESS	ING PROTEIN RIP						
ORF Name	NTID	AAID	<u>NT</u> Length	AA Length	Score	Probability	
	NTID		Length		Score		
ORF Name	NTID	AAID	Length	Length	Score s Name	Probability Acc#	·
ORF Name 2636.07.62c2352	NTID	AAID	Length	Length			
ORF Name 2636.0.762c2352 Protein name	NTID	AAID	Length	Length			
ORF Name 26360762c2352 Protein name Description NO-HIT	NTID	AAID	Length	Length]
ORF Name 26360762_c2_352 Protein name Description NO-HIT ORF Name	NTID 78	AAID 318	Length 98 NT Length	Length Locu AA	s Name	Acc#	
ORF Name 26360762c2352 Protein name Description NO-HIT	NTID 78	AAID B18 AAID	Length 98 NT Length	Length Locu AA Length 1215	s Name	Acc# Probability	
ORF Name 26360762_c2_352 Protein name Description NO-HIT ORF Name 26367332_F3_232_	NTID	AAID AAID 819	Length 98 NT Length 404	Length Locu AA Length 1215	s Name Score 135 Is Name	Acc# Probability 4.7e-06	
ORF Name 26360.762_c2_352 Protein name Description NO-HIT ORF Name 2636.7332_f3_232 Protein name	NTID	AAID AAID 819	Length 98 NT Length 404	Length Locu AA Length 1215 Locu	s Name Score 135 Is Name	Acc# Probability 4.7e-06 Acc#	

ORF Name 26600682_f2_110 Protein name	NTID AAID Length Length Score Probability 2598 7820 176 531 Locus Name Acc#
Description NO-HIT	
NO-HII	7.7
ORF Name	NT AA Score Probability NTID AAID Length Length 2599 7821 300 903 153 9.6e-09
2775312_f2_96	Locus Name Acc#
hypothetical prote	
ORF Name 29347260_c3_438 Protein name	NTID AAID Length Length Score Probability Length Length Locus Name Acc#
Description	
NO-HIT	
ORF Name 29412901c2334	NT AA Score Probability NTID AAID Length Length 2601 7823 295 888 1030 6.3e-104
Protein name	Locus Name Acc# te thymidylyltransferase, pir:C69106 C69106
Description	
ORF Name	NT AA Score Probability NTID AAID Length Length 12602 17824 395 1188 866 1.5e-86
29475312 <u>c1</u> 276	2602 [7824] [393] [420]
Protein name	<u>Locus Name</u> <u>Acc#</u> sp:DXR_SYNY3 Q55663
Description	
REDUCTOISOMERASE	

			NT	AA Lamath	Score	Probability
ORF Name	NTID	AAID	Length	Length		
30164137_c3_422	2603	7825	292 8	79	460	1.6e-43
Protein name				Locus	s Name	Acc#
2-phosphonoacetalde	ehyde hydro	lase		gp:PAU4	15309	U45309
Description						
Pseudomonas aerugi	nosa 2-phos	sphonoacet	aldehyde	hydrola	se gene,	complete cds.
				2.7		
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
31307880 f2 133	2604	7826	108 3	27		
Protein name		,	<u> </u>	Locus	s Name	Acc#
Description						
NO-HIT						
			NT	AA	_	B 3 1.1325
ORF Name	NTID	AAID	<u>NT</u> Length	AA Length	Score	Probability
ORF Name 31836562t156		<u>AAID</u> 7827	Length		Score	Probability
		-	Length	Length 88		
31836562 <u></u> £1 <u></u> 56	2605	7827	Length	Length 88	115 s Name	1.6e-06
31836562f156 Protein name	2605	7827	Length	Length 88 Locus	115 s Name	1.6e-06 <u>Acc#</u>
Protein name sperm-specific pro Description	tein compor	7827	Length 95 2	Length 88 Locus gp:DMU	115 s Name 90537	1.6e-06 <u>Acc#</u> U90537
31836562t156 Protein name sperm-specific pro	tein compor	7827	Length 95 2	Length 88 Locus gp:DMU	115 s Name 90537	1.6e-06 <u>Acc#</u> U90537
31836562t156	tein compor	7827	Length 95 2 c protein	Length 88 Locus gp:DMU	115 s Name 90537 ent (dj)	1.6e-06 Acc# U90537 mRNA, complete
31836562t156	tein compor	7827	Length 95 2	Length 88 Locus gp:DMU	115 s Name 90537	1.6e-06 <u>Acc#</u> U90537
Protein name sperm-specific pro Description Drosophila melanog cds.	tein comporaster sperm	nent n-specifi	Length protein NT Length	Length 88 Locus gp:DMU compone	115 s Name 90537 ent (dj)	1.6e-06 Acc# U90537 mRNA, complete
Protein name Sperm-specific pro Description Drosophila melanog cds. ORF Name	tein comporaster sperm	nent m-specific	Length protein NT Length	Length Locus Gp:DMU compone AA Length	Name 90537 ent (dj)	1.6e-06 Acc# U90537 mRNA, complete Probability
Protein name Sperm-specific pro Description Drosophila melanog cds. ORF Name 32614052_t3_204	tein comporaster sperm	nent m-specific	Length protein NT Length	Length Locus Gp:DMU compone AA Length	115 s Name 90537 ent (dj) Score 921 s Name	1.6e-06 Acc# U90537 mRNA, complete Probability 2.2e-92

ORF Name	NTID AAID	NT AA Score P	robability
33252182_c3_437	2607 7829	237 714 392	2.5e-36
Protein name		Locus Name	Acc#
ribose 5-phosphate	isomerase (rpi) ho	molog pir:G69367	G69367
Description			
		NT AA Grana D	
ORF Name	NTID AAID	Length Length Score P	robability
3.340.026.8. <u>.</u> 3. <u>.</u> .46.7	. 2608 7830	701 2106 170	1.1e-09
Protein name		Locus Name	Acc#
		sp:YE09_SYNY3	P73594
Description		:	
HYPOTHETICAL WD-RE	PEAT PROTEIN SLR140	9 -	
		NT AA Score P	Probability
ORF Name	NTID AAID	Length Length	LODADIIICY
33992130 <u></u> £1 <u></u> 57	. 2609 7831	138 417	
Protein name		Locus Name	Acc#
Description			
NO-HIT	1		
2		NT AA	
ORF Name	NTID AAID	Length Length Score	Probability
34022765 <u>f</u> 3_184	2610 7832	99 300	
Protein name		Locus Name	Acc#
Description			
NO-HIT			
ORF Name	NTID AAID	NT AA Score I Length Length	Probability
34172765 <u></u> c3 <u></u> 449	2611 7833	373 1122 122	0.00018
Protein name		Locus Name	Acc#
hypothetical prote			7
21	in 4	pir:E22845	E22845

			NT	AA		
ORF Name	NTID	AAID	Length	<u>Length</u>	Score	Probability
34181500_f1_6	2612	7834	955	2868	551.	1.1e-61
Protein name				Locus	Name	Acc#
immunoreactive 10	6 kDa antigen	1 PG115		gp:AF153	767	AF153767
Description						
Porphyromonas gin gene, complete cds	-	in W50 in	munoreac	ctive 106	kDa ant	igenPG115
			NT	AA	C	D
ORF Name	NTID	AAID	<u>Length</u>	<u>Length</u>	Score	Probability
34181587_f2_103	2613	7835	720 2	2163	202	4.6e-15
Protein name				Locus	Name	Acc#
				gp:U9368	8	U93688
Description						
Ch	volia tovia ak	oak ama	Tromo For	1 (Hat	\ enter	ofovin (enf)
Staphylococcus au	reus coxic si	TOCK SAIR	TTOWNE COX	TII-T (CSC) , circer	OCOVIII (GIIC) '
and integrase (int		_		tii-i (tst	, encer	ocoxiii (enc),
		_		tin-i (tst	, encer	ocoxiii (elic),
		_		ΔΔ		-
		_	· .	ΔΔ	Score	Probability
and integrase (int) genes, comp	olete cds	NT Length	AA Length		-
and integrase (int) genes, comp	AAID	NT Length	AA Length	Score	Probability
orf Name	NTID 2614 7	AAID 7836	NT Length	AA Length	Score 127 Name	Probability 0.00026
ORF Name 34572182_c3_468 Protein name	NTID 2614 7	AAID 7836	NT Length	AA Length 2766 []	Score 127 Name	Probability 0.00026 Acc#
ORF Name 345.72182c3468 Protein name conserved hypother	NTID 2614 7	AAID 7836	NT Length 921 2	AA Length 2766 []	Score 127 Name	Probability 0.00026 Acc#
ORF Name 345.72182c3468 Protein name conserved hypother	NTID 2614 7	AAID 7836	NT Length	AA Length 2766 [1 Locus pir:B703	Score 127 Name	Probability 0.00026 Acc#
ORF Name 3.45.72182c3468 Protein name conserved hypother Description	NTID Compared to the second of the second o	AAID 7836	NT Length 921 NT Length	AA Length 2766 Locus pir:B703 AA Length	Score 127 Name 74	Probability 0.00026 Acc# B70374
ORF Name 3.45.72182c3468 Protein name conserved hypother Description ORF Name	NTID Compared to the second of the second o	AAID AAID AAID	NT Length 921 NT Length	AA Length 2766 Locus pir:B703 AA Length	Score Name 74 Score	Probability O.00026 Acc# B70374 Probability
ORF Name 3.45.72182c3468 Protein name conserved hypother Description ORF Name 3.63.29426t154	NTID Compared to the second of the second o	AAID AAID AAID	NT Length 921 NT Length	AA Length C766 Locus pir:B703 AA Length	Score Name 74 Score .174 Name	Probability O.00026 Acc# B70374 Probability 3.4e-119
ORF Name 3.45.72182c3468 Protein name conserved hypother Description ORF Name 3.6.329426t154	NTID Compared to the second of the second o	AAID AAID AAID	NT Length 921 NT Length	AA Length C766 Locus pir:B703 AA Length Locus Locus	Score Name 74 Score .174 Name	Probability O.00026 Acc# B70374 Probability 3.4e-119 Acc#
ORF Name 345.72182c3468 Protein name conserved hypother Description ORF Name 36.329426t154 Protein name	NTID 2614 7 tical protein NTID 2615 7	AAID AAID AAID	NT Length 921 NT Length	AA Length C766 Locus pir:B703 AA Length Locus Locus	Score Name 74 Score .174 Name	Probability O.00026 Acc# B70374 Probability 3.4e-119 Acc#

	8.		NT	AA .	Score	Probability	
ORF Name	NTID	AAID	Length	Length			
39242137_c2_306	2616	7838	120 3	863	464	6.0e-44	
Protein name				Locus	Name	Acc#	
hypothetical pro	tein	<u></u>		pir:JQ1	.020	JQ1020	
Description	*						
			NT	<u>AA</u>	Score	Probability	
ORF Name	NTID	AAID	Length	Length			
3960126 <u></u> c1249	2617	7839	377 1	.134	108	0.0045	
Protein name				Locus	Name	Acc#	
				gp:UMCk	G1	X92509	
Description						σ.	
U.maydis crg1 ge	ne.						
I U. Mayurs Cryr ye	iie.						
		2.2.TD	NT	AA	Score	Probability	
ORF Name	NTID	AAID	Length	Length	Score	Probability	
	NTID	<u>AAID</u> 7840	Length		Score	Probability	
ORF Name	NTID		Length	Length	Score Name	Probability Acc#	-
ORF Name 4023452t3175 Protein name	NTID		Length	Length	1 (19)		
ORF Name 4023452_t3_175 Protein name Description	NTID		Length	Length	1 (19)		
ORF Name 4023452_t3_175 Protein name	NTID		Length	Length	1 (19)		, ,
ORF Name 4023452_t3_175 Protein name Description NO-HIT	NTID 	7840	Length 400 [1	Length Locus	s Name	Acc#	
ORF Name 4023452_t3_175 Protein name Description	NTID		Length 400 1	Length L203 Locus	1 (19)		
ORF Name 4023452_t3_175 Protein name Description NO-HIT	NTID 2618 NTID	7840	Length 400 1 NT Length	Length Locus	s Name	Acc#	
ORF Name 4023452_t3_175 Protein name Description NO-HIT ORF Name	NTID 2618 NTID	7840	Length 400] NT Length	Length Locus AA Length	Score	Acc# Probability	
ORF Name 4023452_t3_175 Protein name Description NO-HIT ORF Name 4062817_t1_58	NTID 2618 NTID 2619	AAID 7841	Length 400] NT Length	Length Locus AA Length	Score 233 Name	Acc# Probability 1.0e-17	
ORF Name 4023452_t3_175 Protein name Description NO-HIT ORF Name 4062817_f1_58 Protein name	NTID 2618 NTID 2619	AAID 7841	Length 400] NT Length	Length Locus AA Length Locus Locus	Score 233 Name	Acc# Probability 1.0e-17 Acc#	

			NT	AA	Caaro	Probability
ORF Name	NTID	AAID	Length	Length	Score	Probability
4094787_f3_174	2620 7	842	1019 3	060	745	1.9e-73
Protein name				Locus	Name	Acc#
receptor antigen	(RagA)			gp:PGI1	30872	AJ130872
Description						
Porphyromonas gin immunodominant 55k		receptor	antigen	(rag) lo	cus encc	odinga major
			NT	AA	Score	Probability
ORF Name	NTID	AAID	<u>Length</u>	Length	<u> </u>	11000000111107
4100377_c2_370	2621 7	7843	166 5	01	201	4.4e-16
Protein name				Locus	Name	Acc#
unknown				gp:AF04	8749	AF048749
Description						
Bacteroides fragi sequence.	lis capsular	polysaco	charide b	iosynthe	sis oper	con, complete
			NT	AA		
ORF Name	NTID	AAID	NT Length	<u>AA</u> Length	Score	Probability
ORF Name 4104687f120	<u> </u>	AAID 7844	<u>Length</u>		<u>Score</u>	Probability 4.5e-07
	<u> </u>		Length	Length		7
4104687 <u></u> f1 <u></u> 20	<u> </u>		Length	Length	116 Name	4.5e-07
4104687 <u></u> f1 <u></u> 20	<u> </u>		Length	Length 18 Locus	116 Name	4.5e-07 Acc#
4104687f120 Protein name		7844	Length 105	Length 18 Locus	116 Name	4.5e-07 Acc#
Protein name Description		7844	Length 105 3	Length Locus sp:Y4DJ	116 Name	4.5e-07 Acc#
Protein name Description		7844	Length 105	Length 18 Locus	116 Name	4.5e-07 Acc#
Protein name Description HYPOTHETICAL TRAN	SCRIPTIONAL F	7844 REGULATOF	Length 105 3 Y4DJ NT Length	Length Locus sp:Y4DJ	Name RHISN	4.5e-07 Acc# P55409
Protein name Description HYPOTHETICAL TRAN	SCRIPTIONAL F	7844 REGULATOR	Length 105 3 Y4DJ NT Length	Length Locus Sp:Y4DJ AA Length	Name RHISN Score	Acc# P55409 Probability
Protein name Description HYPOTHETICAL TRAN ORF Name 4110262_c3_446	SCRIPTIONAL F	7844 REGULATOR	Length 105 3 Y4DJ NT Length	Length Locus Sp:Y4DJ AA Length	Name RHISN Score 312 Name	Acc# P55409 Probability 7.6e-28
Protein name Description HYPOTHETICAL TRAN ORF Name 4110262_c3_446	SCRIPTIONAL F	7844 REGULATOR	Length 105 3 Y4DJ NT Length	Length Locus Sp:Y4DJ AA Length 40 Locus	Name RHISN Score 312 Name	Acc# P55409 Probability 7.6e-28 Acc#

	,		NT	AA	Score	Probability
ORF Name	NTID	AAID	Length	Length	BCOLE	FICHABILITY
4114692_£3_229	2624	7846	547 1	.644	1069	4.6e-108
Protein name				Locus	Name	Acc#
ABC-type transport slr0864:protein slr		r0864:pro	otein	pir:S74	1849	S74849
Description						
Description						
ORF Name	NTID	AAID	NT Length	<u>AA</u> Length	Score	Probability
4141886f3187	2625	7847	473	422	107	0.029
Protein name				Locus	s Name	Acc#
middle molecular w	veight neuro	filament	protein	gp:XLU	85969	U85969
Description						
Xenopus laevis mid	ddle molecul	ar weigh	t neurofi	ilament p	proteinNi	F-M(1) mRNA,
complete cds.						*
			NT	AA	Score	Probability
ORF Name	NTID	AAID	<u>NT</u> Length	AA Length	Score	Probability
		<u>AAID</u> 7848	Length		Score	Probability 1.2e-06
ORF Name			Length	Length		
ORF Name 418.776.7			Length	Length 570 Locu	120	1.2e-06
ORF Name 418.776.7			Length	Length 570 Locu	120 s Name	1.2e-06 <u>Acc#</u>
ORF Name 4187767c3414	2626		Length	Length 570 Locu	120 s Name	1.2e-06 <u>Acc#</u>
ORF Name 418.77.6.7	2626		Length	Length Locu sp:YH7	120 s Name 4_METTH	1.2e-06 Acc# 027802
ORF Name 418.77.6.7	2626		Length	Length 570 Locu	120 s Name	1.2e-06 <u>Acc#</u>
ORF Name 418.7.7.6.7c3414 Protein name Description HYPOTHETICAL PROTE	EIN MJ1774 NTID	7848	Length 189 NT Length	Length Locu Sp:YH7	120 s Name 4_METTH	1.2e-06 Acc# 027802
ORF Name 418.7.7.6.7c3414 Protein name Description HYPOTHETICAL PROTE ORF Name	EIN MJ1774 NTID	7848 AAID	Length 189 NT Length	Length Locu Sp:YH7 AA Length	120 s Name 4 METTH Score	1.2e-06 Acc# O27802 Probability
ORF Name 418.7.7.6.7c3414 Protein name Description HYPOTHETICAL PROTE ORF Name 4412550t2104	EIN MJ1774 NTID	AAID 7849	Length 189 NT Length	Length Locu Sp:YH7 AA Length Locu Locu	120 s Name 4 METTH Score	1.2e-06 Acc# 027802 Probability 6.6e-06
ORF Name 418.7.7.6.7c3414 Protein name Description HYPOTHETICAL PROTE ORF Name 4412550t2104	EIN MJ1774 NTID	AAID 7849	Length 189 NT Length	Length Locu Sp:YH7 AA Length Locu Locu	120 s Name 4 METTH Score 105 s Name	1.2e-06 Acc# 027802 Probability 6.6e-06 Acc#

ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
4457750_c2_342 Protein name	2628	7850	208	Locus	s Name	Acc#
Description						
NO-HIT						
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
4719385 <u></u> c2 <u></u> 344	2629	7851	290	373	235	1.1e-19
Protein name				Locus	s Name	Acc#
lipoprotein				gp:AF00	00945	AF000945
Description						
Vibrio cholerae l			_		-	
complete cds, and partial cds. ORF Name	methyl-direct	AAID	NT Length	AA Length	Score	Probability
partial cds.	NTID		<u>NT</u> Length	AA		* * * * * * * * * * * * * * * * * * * *
partial cds. ORF Name	NTID	AAID	<u>NT</u> Length	AA Length	Score	Probability
partial cds. ORF Name 4726557t2160	NTID	AAID	<u>NT</u> Length	AA Length	Score 246 Name	Probability 7.5e-21
partial cds. ORF Name 4726557t2160	NTID	AAID	<u>NT</u> Length	AA Length	Score 246 Name	Probability 7.5e-21 Acc#
partial cds. ORF Name 47.26.55.7	<u>NTID</u> 2630	<u>AAID</u> 7852	NT Length 185	AA Length 558 Locus gp:AF19	Score 246 3 Name 20580	Probability 7.5e-21 Acc# AF190580
partial cds. ORF Name 4.7.26.55.7	<u>NTID</u> 2630	<u>AAID</u> 7852	NT Length 185	AA Length 558 Locus gp:AF19	Score 246 3 Name 20580	Probability 7.5e-21 Acc# AF190580
partial cds. ORF Name 4.726.55.7	NTID 2630 Gae pv. syrin NTID	AAID 7852 ngae Algi	NT Length 185 (algT) NT Length	AA Length 558 Locus gp:AF19 gene, co	Score 246 3 Name 90580 omplete of	Probability 7.5e-21 Acc# AF190580 Cds.
partial cds. ORF Name 4726557f2160 Protein name AlgT Description Pseudomonas syrin ORF Name	NTID 2630 Gae pv. syrin NTID	AAID ngae Aig'	NT Length 185 (algT) NT Length	AA Length Locus gp:AF13 gene, co AA Length .026	Score 246 Name 00580 mplete c	Probability 7.5e-21 Acc# AF190580 Cds. Probability
partial cds. ORF Name 4726557f2160 Protein name AlgT Description Pseudomonas syrin ORF Name 4876252G3447	NTID 2630 gae pv. syrii NTID 2631	AAID ngae Aig'	NT Length 185 (algT) NT Length	AA Length Locus gp:AF13 gene, co AA Length .026	Score 246 Name 00580 Score 108 Name	Probability 7.5e-21 Acc# AF190580 Eds. Probability 0.0038
partial cds. ORF Name 4726557t2160 Protein name AlgT Description Pseudomonas syrin ORF Name 4876252c3447	NTID 2630 gae pv. syrii NTID 2631	AAID ngae Aig'	NT Length 185 (algT) NT Length	AA Length 558 Locus gp:AF19 gene, co AA Length .026 Locus	Score 246 Name 00580 Score 108 Name	Probability 7.5e-21 Acc# AF190580 Cds. Probability 0.0038 Acc#

ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
4885937 f1 49		7854		006	446	4.8e-42
					g Name	Acc#
Protein name					s Name	ACC#
putative 1,4-dihyo	lroxy-2-napht	hoate		gp:AF1	01047	
Description						
Haemophilus ducrey 1,4-dihydroxy-2-nag	hthoateoctar	prenyltra	ansferase	e, YadR	(yadR),	cytidine
5'monophosphateN-ac	cetylneuramir	nic acid	syntheta	ase (neu	A),	
lipooligosaccharide	esialyitransi dehydratase	(rmlB) ge	enes, com	putati mplete c	ds; and	
			NT	AA	Score	Probability
ORF Name	NTID	AAID	Length	Length	50010	
5178800 <u>_</u> £2 <u>_</u> 114	2633	7855	240	723	325	3.2e-29
Protein name				Locu	ıs Name	Acc#
				sp:HLY	3_BACCE	P54176
				L		
Description						
Description HEMOLYSIN III (HL)	Y-III)					
	Y-III)		NUT	7) 7)		
	Y-III) NTID	AAID	NT Length	AA Length	Score	Probability
HEMOLYSIN III (HL	NTID	<u>AAID</u> 7856	Length		Score 406	Probability 8.3e-38
HEMOLYSIN III (HL	NTID		Length	Length		
HEMOLYSIN III (HL) ORF Name 5863277_c2_371	NTID		Length	Length	406 us Name	8.3e-38
ORF Name 5863277c2371	NTID		Length	Length	406 us Name	8.3e-38 <u>Acc#</u>
ORF Name 5863277_c2_371 Protein name Ilm protein	NTID		Length	Length Locu	406 us Name	8.3e-38 <u>Acc#</u>
ORF Name 5863277_c2_371 Protein name Ilm protein	NTID		Length	Length	406 as Name 55856	8.3e-38 <u>Acc#</u>
ORF Name 5863277c2371 Protein name Ilm protein Description	NTID 2634 [7856	Length 368 NT Length	Length Locu Locu AA	406 as Name 55856	8.3e-38 <u>Acc#</u> A55856
ORF Name 5863277c2371 Protein name Ilm protein Description ORF Name	NTID 2634 [7856 <u>AAID</u>	Length 368 NT Length	Length Locu pir:As AA Length	406 as Name 55856 Score	8.3e-38 Acc# A55856 Probability
ORF Name 5863277c2371 Protein name Ilm protein Description ORF Name 5892183t3198	NTID 2634 [AAID	Length 368 NT Length 143	Length Locu pir:As AA Length	406 as Name 55856 Score 121 as Name	8.3e-38 Acc# A55856 Probability 1.3e-07

ODE Name	NTID AAID	NT AA Score	Probability
ORF Name 5937787_f3_227	[2636] [7858]	775 2328 152	2.0e-10
Protein name		Locus Name	Acc#
FIOCEII Hamo		sp:YG04_HAEIN	P45268
Description			
	TE PERMEASE HI1604		
		NT AA G	
ORF Name	NTID AAID	Length Length Score	Probability
6066040_f3_208	2637 7859	297 894	
Protein name		Locus Name	Acc#
Description			
NO-HIT			·
		NT AA Score	Probability
ORF Name	NTID AAID	<u>Length</u> <u>Length</u>	
63.45.0.12 <u></u> £1 <u></u> 43	2638 7860	304 915 360	6.2e-33
Protein name		Locus Name	Acc#
conserved hypoth	etical protein yloC	pir:A69878	A69878
Description			
		NT AA Score	Probability
ORF Name	NTID AAID	Length Length	
6.428.430 <u></u> c3 <u></u> 450	2639 7861	376 1131 746	7.8e-74
Protein name		Locus Name	Acc#
cpsF protein, 40	, 6K	pir:S70157	S70157
Description			
	NIII AATO	NT <u>AA</u> Length Length	Probability
ORF Name	NTID AAID	Length Length	
6835285 <u></u> c3 <u></u> 393	7862	Locus Name	Acc#
Protein name		LOCUS NAME	ACCH
Description			1
NO-HIT			

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No.	
Street,	Bill.

ORF Name	NTID	AAID	<u>NT</u> Length	Length	Score	Probability
7148412_f3_240	2641	7863	113	342		
Protein name			<u> </u>	Locus	s Name	Acc#
Description						
NO-HIT						
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
14178177 <u></u> c3 <u></u> 105	2642	7864	64	195		
Protein name				Locus	s Name	Acc#
Description						
NO-HIT						
	NTID	AAID	NT Length	AA Length	Score	Probability
NO-HIT		<u>AAID</u> 7865	Length		Score	Probability
NO-HIT ORF Name			Length	Length	Score S Name	Probability Acc#
NO-HIT ORF Name 19744643c285			Length	Length		39. 1
ORF Name 19744643_c2_85 Protein name			Length	Length		39. 1
ORF Name 19744643_c2_85 Protein name Description			Length	Length 456 Locus		Acc#
ORF Name 19744643_c2_85 Protein name Description			Length	Length		39. 1
NO-HIT ORF Name 19744643_c2_85 Protein name Description NO-HIT	2643 NTID	7865	Length NT Length	Length Locus	s Name	Acc#
NO-HIT ORF Name 19744643_c2_85 Protein name Description NO-HIT ORF Name	2643 NTID	7865 AAID	Length NT Length	Length Locus AA Length	Score	Acc# Probability
NO-HIT ORF Name 19744643_c2_85 Protein name Description NO-HIT ORF Name 23468752_c2_84	2643 NTID	7865 AAID	Length NT Length	Length Locus AA Length	Score 97 8 Name	Acc# Probability 0.010
NO-HIT ORF Name 19744643_c2_85 Protein name Description NO-HIT ORF Name 23468752_c2_84	2643 NTID	7865 AAID	Length NT Length	Length Locus AA Length Locus Locus	Score 97 8 Name	Acc# Probability 0.010 Acc#

ORF Name	NTID	AAID	<u>NT</u> Length	AA Length	Score	Probability	
24337765_f1_23 Protein name	2645	7867	267 8	04 Locus	365 Name	3.0e-32 Acc#	
115K outer membrar	në protein p	recursor:	SusC	pir:JC6	027	JC6027	
Description					_		
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
24390925 <u></u> £2 <u></u> 41	2646	7868	540 1	.623	2188	1.2e-226	
Protein name				Locus	Name	Acc#	
				sp:PPCF	_ANASU	009460	
Description							
,]
			NT	AA	Score	Probability	
ORF Name	NTID	AAID	Length	Length		,1	,
ORF Name 24432692_c2_78		<u>AAID</u> 7869	Length		Score 92	Probability 0.031	
			Length	Length		,1	
244326.92 <u></u> 22 <u></u> 7.8			Length	Length	92 s Name	0.031	
24432692C278 Protein name			Length	Length 617 Locus	92 s Name	0.031 <u>Acc#</u>	
Protein name MerC protein	2647 H272 incomp	7869	Length 538	Length 617 Locus gp:EAM	92 Name	0.031 <u>Acc#</u>	
Protein name MerC protein Description E.agglomerans pKL	2647 H272 incomp	7869	Length 538 1	Length Locus gp:EAM	92 Name	0.031 Acc# Y08992	
Protein name MerC protein Description E.agglomerans pKL	2647 H272 incomp	7869	Length 538	Length 617 Locus gp:EAM	92 Name	0.031 <u>Acc#</u>	
Protein name MerC protein Description E.agglomerans pKL resistancetranspose	H272 incompon.	7869	Length of mosa: NT Length	Length Locus gp:EAM c mercur	92 Name ARTRAN	0.031 Acc# Y08992	
Protein name Protein name MerC protein Description E.agglomerans pKL resistancetranspose ORF Name	H272 incompon.	7869 Lete unit	Length of mosa: NT Length	Length Locus gp:EAM c mercur AA Length	92 Name ARTRAN	0.031 Acc# Y08992	
Protein name Protein name MerC protein Description E.agglomerans pKL resistancetranspose ORF Name	H272 incompon.	7869 Lete unit	Length of mosa: NT Length	Length Locus gp:EAM c mercur AA Length	92 3 Name ARTRAN TY Score	O.031 Acc# Y08992 Probability	

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		$\underline{\mathbf{NT}}$	AA Score	Probability
ORF Name	NTID AAID	Length	Length Score	
24803760_f2_36	2649 7871	637	1489	1.4e-152
Protein name			Locus Name	Acc#
putative oxidor	eductase alpha-subun	iit	gp:SCAH10	AL132824
Description				
Streptomyces co	elicolor cosmid AH10).		-
		NT	AA	
ORF Name	NTID AAII	NT Length	Length Score	Probability
25444787_c3_98	2650 7872	222	784	7.3e-78
Protein name	7/		Locus Name	Acc#
Uracil phosphor	ibosyltransferase		gp:AB016085	AB016085
Description				
Porphyromonas o	jingivalis PorT, upp	, and prtQ	genes, complete	cds.
		×		
ORF Name	777	NT	AA Score	Probability
0111 1101110	NTID AAII	<u> Length</u>	<u>Length</u>	
26.056.588£23.7			Length 819	1.4e-81
			Length	
26.056.588 <u></u> £2 <u></u> 3.7	2651 7873		Length 819	1.4e-81
26056588t237 Protein name	2651 7873		Length 1014 819 Locus Name	1.4e-81 <u>Acc#</u>
26056588_t2_37 Protein name probable oxidor	2651 7873	337	Length 1014 819 Locus Name pir:E70864	1.4e-81 <u>Acc#</u> E70864
26056588_t2_37 Protein name probable oxidor	2651 7873	337 NT	Length 1014 819 Locus Name pir:E70864	1.4e-81 <u>Acc#</u> E70864
Protein name probable oxidor Description		337 NT Length	Length 1014 819 Locus Name pir:E70864 AA Score	1.4e-81 <u>Acc#</u> E70864
Protein name Probable oxidor Description ORF Name		337 NT Length	Length 1014 819 Locus Name pir:E70864 AA Length Score	1.4e-81 <u>Acc#</u> E70864
Protein name Probable oxidor Description ORF Name 26364836c170		337 NT Length	Length 1014 819 Locus Name pir:E70864 AA Length Score	Acc# E70864 Probability
Protein name probable oxidor Description ORF Name 26364836c170 Protein name		337 NT Length	Length 1014 819 Locus Name pir:E70864 AA Length Score	Acc# E70864 Probability

ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
	1 2653	7875		.248	196	7 [9.6e-13	7
26562750_c1_69	2655	7073				J [اــا
Protein name					Name	Acc#	
transposase				gp:AF0	88866	AF038866	
Description							
Bacteroides fragil protein BmpH (bmpH)	is transpo genes. co	son Tn5520	transpo	sase (bi	pH) and	mobilization	
process super (super)	30						
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
26854808_f1_2	2654	7876	117	354			
Protein name				Locus	Name	Acc#	
Description							
NO-HIT							
			NT	AA	Caoro	Drobability	
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
ORF Name 2929000f111	NTID	<u>AAID</u> 7877	<u>Length</u>		Score	Probability 4.2e-08	
			<u>Length</u>	Length			
2929000 <u></u> £1 <u></u> 11			<u>Length</u>	Length Documents Locus	148	4.2e-08	
2929000f111 Protein name			<u>Length</u>	Length Documents Locus	148 s Name	4.2e-08 <u>Acc#</u>	
2929000 <u></u> £1 <u></u> 11	2655	7877	<u>Length</u>	Length Documents Locus	148 s Name	4.2e-08 <u>Acc#</u>	
Protein name Description	2655	7877	Length 300	Length Locus sp:MSM	148 s Name	4.2e-08 <u>Acc#</u>	*
Protein name Description	2655	7877	<u>Length</u>	Length Documents Locus	148 s Name	4.2e-08 <u>Acc#</u>	**
Protein name Description MSM OPERON REGULAT	. 2655 ORY PROTEI	7877	Length NT Length	Length Locus Sp:MSM	148 s Name R_STRMU	4.2e-08 Acc# Q00753	*
Protein name Description MSM OPERON REGULAT ORF Name	ORY PROTEI	7877 N <u>AAID</u>	Length NT Length	Length Locus Sp:MSM AA Length	148 s Name R_STRMU	4.2e-08 Acc# Q00753	***
Protein name Description MSM OPERON REGULAT ORF Name 32455077_c1_73	ORY PROTEI	7877 N <u>AAID</u>	Length NT Length	Length Locus Sp:MSM AA Length	148 s Name R_STRMU Score	4.2e-08 Acc# Q00753 Probability	

ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
32602012 f2 43		7879		46			
		,			: Name	Acc#	
Protein name				посил	- Ivanie	<u> </u>	
Description							
NO-HIT							
		7 7 TD	NT	AA Longth	Score	Probability	
ORF Name	NTID	AAID	<u>Length</u>	<u>Length</u>	1000	1 1 00 24	7
3.3.6.4.7.1.4.2 <u></u> c.2 <u></u> 7.6	2658	7880	277	334	280	1.9e-24	١
Protein name				Locus	Name	Acc#	
glycerophosphodie	ster phospho	diesteras	se .	pir:E6	9827	E69827	
homolog yhdW				J			
Description							
		7.7.TD	NT Longth	AA Longth	Score	Probability	
ORF Name	NTID	AAID	Length	Length	Score	Probability	
ORF Name 35235700_c1_60		<u>AAID</u> 7881	Length		Score		
			Length	Length	Score S Name	Probability Acc#	
35235700 <u>_</u> c1 <u>_</u> 60			Length	Length			
35235700_c1_60 Protein name			Length	Length			
35235700_c1_60Protein name Description			Length	Length	s Name	Acc#	
35235700_c1_60Protein name Description			Length	Length 189 Locus			×
35235700_c1_60 Protein name Description NO-HIT		7881	Length 62 NT Length	Length Locus	s Name	Acc#	
35235700_c1_60 Protein name Description NO-HIT ORF Name		7881 AAID	Length 62 NT Length	Length Locus AA Length	Score	Acc# Probability	
35235700_c1_60 Protein name Description NO-HIT ORF Name 36520931_f2_42	NTID	AAID 7882	Length 62 NT Length 798	Length Locus AA Length	Score 376 Name	Acc# Probability 5.7e-31]

ODE Name	NTID AAID Length Length Score Probability	Y
ORF Name	[2661 7883 579 1740	
392005_c1_72	Locus Name Acc#	
Protein name	<u>nocus name</u>	
Description		
NO-HIT		
ORF Name	<u>NT AA</u> NTID AAID Length Length	У
3.95.96.7.7 <u></u> c17.1		
Protein name	Locus Name Acc#	
Description		
NO-HIT		
	NT AA Score Probabilit	v
ORF Name	NTID AAID Length Length	Y
ORF Name 4876450 <u></u> c2 <u></u> 88	NTID AAID Length Length	Y
	NTID AAID Length Length	Y
4876450 <u></u> c2 <u></u> 88	NTID AAID Length Length Score Probability	,
4876450c288 Protein name Description	NTID AAID Length Length Score Probability 2663 7885 392 1179 88 0.00068 Locus Name Acc# [ap:D42067 D42067]	,
4876450c288 Protein name Description	NTID AAID Length Length Score Probability 2663 7885 392 1179 88 0.00068 Locus Name Acc#	,
4876450c288 Protein name Description	NTID AAID Length Length Score Probability 2663 7885 392 1179 88 0.00068 Locus Name Acc# gp:D42067 D42067 gingivalis DNA for Fimbrilin, ORF1-4, complete cds.	7
4876450c288 Protein name Description	NTID AAID Length Length 2663 7885 392 1179 88 0.00068 Locus Name Acc# Gingivalis DNA for Fimbrilin, ORF1-4, complete cds. NTID AAID Length Length Score Probability	7
Protein name Description Porphyromonas of	NTID AAID Length Length Score Probability 2663 7885 392 1179 88 0.00068 Locus Name Acc# [gp:D42067 D42067] Dingivalis DNA for Fimbrilin, ORF1-4, complete cds. NTID AAID Length Length NTID AAID Length Length 2664 7886 90 273	7
Protein name Description Porphyromonas of ORF Name	NTID AAID Length Length 2663 7885 392 1179 88 0.00068 Locus Name Acc# gp:D42067 D42067 gingivalis DNA for Fimbrilin, ORF1-4, complete cds. NTID AAID Length Length Score Probabilit	7
Protein name Description Porphyromonas of ORF Name 822135c3106	NTID AAID Length Length Score Probability 2663 7885 392 1179 88 0.00068 Locus Name Acc# [gp:D42067 D42067] Dingivalis DNA for Fimbrilin, ORF1-4, complete cds. NTID AAID Length Length NTID AAID Length Length 2664 7886 90 273	7

ODT Ware) Image		NT	<u>AA</u>	Score	Probability
ORF Name	NTID	AAID	<u>Length</u>	Length		
9933530_c2_77	2665	7887	66 2	201		
Protein name				Locus	Name	Acc#
Description						
NO-HIT						
ORF Name	NTID	AAID	<u>NT</u> Length	AA Length	Score	Probability
23487680 <u>f2</u> 13	2666	7888	443 1	.332	110	3.1e-10
Protein name				Locus	Name	Acc#
conserved hypothet	ical prote	in yknZ		pir:E69	858	E69858
Description	e					
*			NT	7) 7)		
ORF Name	NTID	AAID	Length	AA Length	Score	Probability
24641677 <u></u> £2 <u></u> 14	2667	7889	425 1	.278	128	1.4e-05
Protein name				Locus	Name	Acc#
conserved hypothet	ical prote	in yvrM		pir:G70	047	G70047
Description			· · · · · · · · · · · · · · · · · · ·			
ORF Name	NTID	AAID	<u>NT</u> Length	AA Length	Score	Probability
24664700 <u></u> £3 <u></u> 22	2668	7890	113 3	342		
Protein name				Locus	Name	Acc#
Description						
NO-HIT	*					
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
3.03.47.80.7 <u></u> c3 <u></u> 46	2669	7891	304 9	15	132	3.4e-08
Protein name				Locus	Name	Acc#
				gp:AP00	0342	AP000342
Description				L		
Plasmid R100 genom	ic DNA.					

ORF Name	NTID AAID Length Length Score Probability
32072162_f2_12	2670 7892 429 1290 123 0.00013
Protein name	Locus Name Acc#
	sp:Y797_METJA Q58207
Description	
HYPOTHETICAL PR	OTEIN MJ0797
	NT AA Grand Drobability
ORF Name	NTID AAID Length Length Probability
3932937_f2_17	2671 7893 427 1284 219 7.5e-15
Protein name	Locus Name Acc#
	sp:YBJZ_ECOLI P75831
Description	
HYPOTHETICAL AE	C TRANSPORTER ATP-BINDING PROTEIN YBJZ
	NT AA G
ORF Name	NTID AAID Length Length Score Probability
3.9.6.0.8.8.2 <u></u> £3 <u></u> 23	
Protein name	Locus Name Acc#
	sp:YF08_METJA Q58903
Description	
HYPOTHETICAL AF	C TRANSPORTER ATP-BINDING PROTEIN MJ1508
	NT AA Grans Probability
ORF Name	$rac{NT}{NTID}$ AAID Length Length Score Probability
4898552 <u></u> £1 <u></u> .10	
Protein name	Locus Name Acc#
	gp:D85752 D85752
Description	
Enterococcus fa	aecalis plasmid pPD1 bacA, bacB, bacC, bacD, bacE,bacF, bacG,
	enes, complete cds.

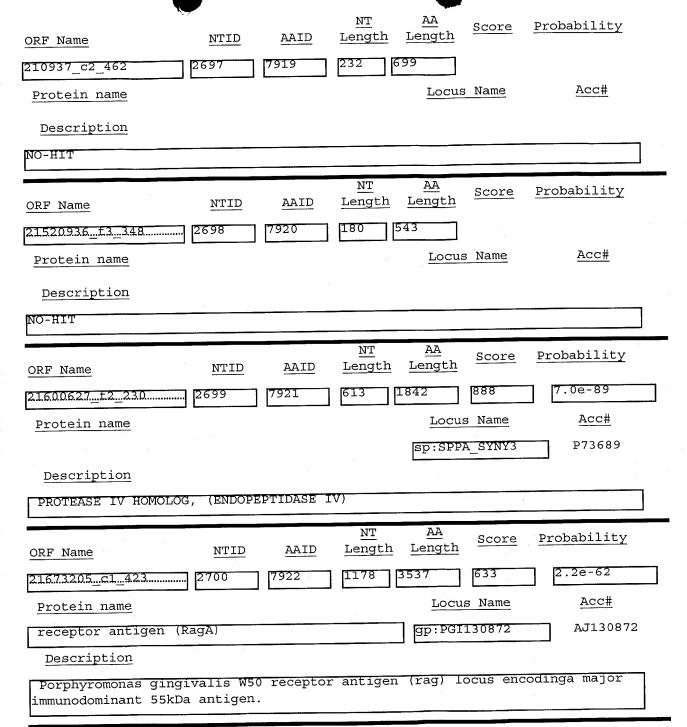
ORF Name	NTID AAID	NT AA Score	Probability
7220142_f2_11	2674 7896	215 648 127	3.1e-06
		Locus Name	Acc#
Protein name	Land Land Annual		G70047
	tical protein yvrM	pir:G70047	G/004/
Description			r
	4	NT AA Score	Probability
ORF Name	NTID AAID	<u>Length</u> <u>Length</u>	
10289015 <u></u> £1 <u></u> 15	2675 7897	81 246	
Protein name		Locus Name	Acc#
Description			
NO-HIT			
		NT AA G	December 1 days
ORF Name	NTID AAID	Length Length Score	Probability
10328155 <u></u> c1403	2676 7898	133 402 88	0.035
Protein name		Locus Name	Acc#
hypothetical prot	ein sl10241	pir:S75099	S75099
Description		3	
1	,	7.7	
ORF Name	NTID AAID	NT AA Score	Probability
1054188 <u></u> c1 <u></u> 358	2677 7899	127 384	
1054188_c1_358 Protein name	2677 7899	127 384 Locus Name	Acc#
-	7899		Acc#
Protein name	[2677 [7899		Acc#
Protein name Description	[2677 [7899	Locus Name	
Protein name Description			Acc# Probability
Protein name Description NO-HIT	NTID AAID	Locus Name NT AA Score	
Protein name Description NO-HIT ORF Name	NTID AAID	Locus Name NT AA Length Length Score	
Protein name Description NO-HIT ORF Name 10970392_f1_119	NTID AAID	Locus Name NT AA Length Length Score 107 324	Probability
Protein name Description NO-HIT ORF Name 10970392_f1_119	NTID AAID	Locus Name NT AA Length Length Score 107 324	Probability

		7 7 T.D	NT	<u>AA</u> Length	Score	Probability	
ORF Name	NTID	AAID	Length				_
11109662_f1_92	2679	7901	203	12	515	2.3e-49	
Protein name				Locus	Name	Acc#	
immunoreactive 21	kD antigen	PG10		gp:AF14	4077	AF144077	
Description							
Porphyromonas ging complete cds.	ivalis str	ain W50 in	munoreac	tive 21	kD antig	genPG10 gene,	
			NT	AA	Caoro	Drobabilitz	
ORF Name	NTID	AAID	Length	Length	Score	Probability	
11132800_f1_31	2680	7902	499 1	.500	1616	5.0e-166	
Protein name				Locus	Name	Acc#	
				sp:SAHI	H_MESCR	P93253	
Description							
HYDROLASE) (ADOHCY	ASE)						
, , ,							
			NT	AA			
ORF Name	NTID	AAID	<u>NT</u> Length	AA Length	Score	Probability	
	NTID	<u>AAID</u> 7903	Length		Score	Probability 3.2e-20	
ORF Name	NTID		Length	Length		*	
ORF Name 11725312_f3_261	NTID		Length	Length B63 Locus	240	3.2e-20	
ORF Name 11725312_f3_261	NTID		Length	Length B63 Locus	240 s Name	3.2e-20 Acc#	
ORF Name 11725312_f3_261 Protein name	<u>NTID</u>		Length	Length B63 Locus	240 s Name	3.2e-20 Acc#	
ORF Name 11725312_f3_261 Protein name Description	<u>NTID</u>		Length	Length B63 Locus	240 S Name S BORBU	3.2e-20 Acc# 051744] ×
ORF Name 11725312_f3_261 Protein name Description	<u>NTID</u>		Length	Length Locus Sp:RS1	240 s Name	3.2e-20 Acc#	
ORF Name 11.7253.12_f3_26.1 Protein name Description 30S RIBOSOMAL PROT	NTID 2681 PEIN S15 NTID	7903	Length 120 NT Length	Length Locus Sp:RS1	240 S Name S BORBU	3.2e-20 Acc# 051744	
ORF Name 11.7.253.12f326.1 Protein name Description 30S RIBOSOMAL PROT	NTID 2681 PEIN S15 NTID	7903 AAID	Length 120 NT Length	Length Locus Sp:RS1	240 S Name S BORBU Score	3.2e-20 Acc# O51744 Probability	
ORF Name 11.725312_f3_261 Protein name Description 30S RIBOSOMAL PROT ORF Name	NTID 2681 PEIN S15 NTID	7903 AAID	Length 120 NT Length	Length Locus Sp:RS1	240 S Name S BORBU Score 255 S Name	3.2e-20 Acc# O51744 Probability 1.1e-34	
ORF Name 11.725312_f3_261 Protein name Description 30S RIBOSOMAL PROT ORF Name	NTID 2681 PEIN S15 NTID	7903 AAID	Length 120 NT Length	Length Locus AA Length Length Locus	240 S Name S BORBU Score 255 S Name	3.2e-20 Acc# O51744 Probability 1.1e-34 Acc#	

ORF Name	NTID A	<u>NT</u> AID Lengt	<u>AA</u> th <u>Length</u>	Score	Probability
13757180_£2_220	2683 790	5 60	183	70	0.033
Protein name			Locus	Name	Acc#
hypothetical prot	ein APE1598		pir:A72	2539	A72539
Description				_	
		NT	AA		
ORF Name	NTID A	AAID Lengt		Score	Probability
14063750 <u></u> £1124	2684 790	452	1359	114	2.6e-05
Protein name			Locus	s Name	Acc#
hypothetical prot	ein PH0212		pir:B7	1244	B71244
Description					
		NT	AA	0.000	Probability
ORF Name	NTID 2	AAID Leng	th <u>Length</u>	Score	Probability
14173331 <u></u> c2 <u></u> 516	2685 790	113	342	103	1.1e-05
Protein name			Locu	s Name	Acc#
hypothetical prot	ein APE0625		pir:C7	2649	C72649
Description					
		NT	AA	Score	Probability
ORF Name	NTID	AAID Leng	th Length	*	FIODADITICY
14536453 <u>c1</u> 3.72	2686 79	08 78	237		, (3) X
Protein name			Locu	s Name	Acc#
Description					
NO-HIT					7
		NT	AA	Cacaa	Probability
ORF Name	NTID	AAID Leng		Score	FIODADITICY
14720052 <u></u> £3 <u></u> 345	2687 79	09 329	990	553	2.2e-53
Protein name			Locu	s Name	Acc#
clindamycin resis	stance transfer	factor btgl	pir:B4	1656	B41656
Description					

ORF Name 14885826 £3 296	NTID	<u>AAID</u>	NT Length	AA Length	Score	Probability	
Protein name	J []		L L	Locus	Name	Acc#	
Description							
NO-HIT							
			NT	AA		D1-1-1-1-1-	
ORF Name	NTID	AAID	Length	Length	Score	Probability	
15039137 <u></u> c2 <u></u> 505	2689	7911	682 2	2049			
<u>Protein name</u>				Locus	Name	Acc#	
Description							
NO-HIT		÷					
			NTT	7.7			-
ORF Name	NTID	AAID	NT Length	<u>AA</u> Length	Score	Probability	
167802 <u>f3</u> 342	2690	7912	323	72	151	5.7e-15	
Protein name				Locus	Name	Acc#	
hypothetical protei	n SCJ12.2	7c		pir:T37	044	T37044	
Description						* .	
·					0		
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
16986252 <u></u> c2479	2691	7913	261	86	595	7.8e-58	7
Protein name				Locus	Name	Acc#	_
hypothetical protei	n jhp1180			pir:A71	.838	A71838	
Description	-			*.	Ð	*	
			<u> </u>				
ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability	
19551337 <u></u> c2 <u></u> 474	2692	7914	262 7	89	225	1.3e-18	
Protein name				Locus	Name	Acc#	
hypothetical protei	n b2381			pir:B65	012	B65012	
Description							

	7		NT	AA	Score	Probability
ORF Name	NTID	AAID	Length	<u>Length</u>	<u> </u>	110000111101
19625177_f2_232	2693	7915	353 1	.062	423	1.3e-39
Protein name				Locus	Name	Acc#
thiamin monphosphate	e kinase			pir:G69	9052	G69052
Description						
			3.TM	7) 7)		
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
19719812 <u></u> ±3 <u></u> 346	2694	7916	440 1	.323	432	1.5e-40
Protein name				Locus	3 Name	Acc#
Ncol DNA modification	on methyl	transferas	se	gp:AF0	58761	AF068761
Description						,
Nocardia corallina	NCOI DNA	modificat	ion methy	yltransfe	erase (no	colM) and Ncol
less where a we do not a	anda Inda	TD) deneg	complet	e dds.		
restriction endonucl	ease (nco	IR) genes	, complet	ce cds.		
			NT	AA	Score	Probability
ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
ORF Name 1992707c1402			NT Length	AA Length	·	
ORF Name	NTID	AAID	NT Length	AA Length	Score s Name	Probability Acc#
ORF Name 1992707c1402	NTID	AAID	NT Length	AA Length	·	
ORF Name 1992707_c1_402 Protein name	NTID	AAID	NT Length	AA Length	·	
ORF Name 1992707c1402 Protein name Description	NTID	AAID	NT Length	AA Length 504 Locu	s Name	Acc#
ORF Name 1992707c1402 Protein name Description	NTID	AAID	NT Length	AA Length	·	
ORF Name 1992707c1402 Protein name Description NO-HIT	NTID 2695	<u>AAID</u> 7917	NT Length 167	AA Length 504 Locu	s Name	Acc#
ORF Name 1992707c1402 Protein name Description NO-HIT ORF Name	NTID 2695 NTID	AAID 7917 AAID	NT Length 167	AA Length Locu AA Locu AA Length	s Name	Acc#
ORF Name 1992707c1402 Protein name Description NO-HIT ORF Name 20742167f3344	NTID 2695 NTID	AAID 7917 AAID	NT Length 167	AA Length Locu AA Locu AA Length	s Name	Acc# Probability



ORF Name	NTID AAID	<u>NT</u> <u>AA</u> Length Length	Score	Probability
-	2701 7923	656 1971]	
Protein name		Loc	us Name	Acc#
Description_				
NO-HIT				
		7.7		
ORF Name	NTID AAID	<u>NT AA</u> Length Length	Score	Probability
21.75.77.01f193	2702 7924	95 288]	
Protein name		Loc	us Name	Acc#
Description				
NO-HIT				
		2777		
		NT AA		_ , , , , , , ,
ORF Name	NTID AAID	<u>NT AA</u> Length Lengtl	score	Probability
7	NTID AAID 2703 7925	 ,	<u>Score</u> 51	Probability 0.016
		Length Length 66 201 Loc	51 us Name	0.016 <u>Acc#</u>
22064087 <u></u> c2 <u></u> 458	2703 7925	Length Length 66 201 Loc	51	0.016
Protein name Cytochrome oxidase s Description	2703 7925	Length Length 66 201 Loc	51 us Name MY18821	0.016 Acc# Y18821
Protein name cytochrome oxidase s	2703 7925	Length Length 66 201 Loc	51 us Name MY18821	0.016 Acc# Y18821
Protein name Cytochrome oxidase s Description Timarcha metallica n	2703 7925	Length Length [66] [201] Loc [gp:T1] A-Leu and partia	51 us Name MY18821	0.016 Acc# Y18821
Protein name Cytochrome oxidase s Description Timarcha metallica n	2703 7925	Length Length 66 201 Loc	51 us Name MY18821 I COII ge	0.016 Acc# Y18821
Protein name Cytochrome oxidase s Description Timarcha metallica n Forest d'Anlier.	2703 7925 subunit II	Length Length [66] [201] [202] [203] [2	51 us Name MY18821 I COII ge	0.016 Acc# Y18821 nes,isolate
Protein name Cytochrome oxidase s Description Timarcha metallica n Forest d'Anlier.	2703 7925 subunit II mitochondrial tRN NTID AAID	Length Length Loc GP:TI A-Leu and partia NT AA Length Lengt [62] [189]	51 us Name MY18821 I COII ge	0.016 Acc# Y18821 nes,isolate
Protein name Cytochrome oxidase s Description Timarcha metallica m Forest d'Anlier. ORF Name	2703 7925 subunit II mitochondrial tRN NTID AAID	Length Length Loc GP:TI A-Leu and partia NT AA Length Lengt [62] [189]	51 us Name MY18821 1 COII ge	O.016 Acc# Y18821 nes,isolate Probability

			NT	AA		
ORF Name	NTID	AAID	Length	Length	Score	Probability
22462842_c1_397	2705	927	375	.128		
Protein name				Locus	Name	Acc#
Description						
NO-HIT						
			NTITI	7. 7.		
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
226.8.7.8.27 <u></u> c3 <u></u> 551	2706 7	928	443 1	.332	136	9.8e-05
Protein name				Locus	Name	Acc#
hypothetical prot	ein			pir:H75	507	H75507
Description						
	- O		NT	AA		
ORF Name	NTID	AAID	Length	<u>Length</u>	Score	Probability
22838405 <u></u> c3 <u></u> 598	2707 7	929	1251 3	756	333	5.6e-47
Protein name				Locus	Name	Acc#
hybrid histidine	kinase	-	i	gp:AF02	9704	AF029704
Description						
Dictyostelium dis	scoideum hybri	d histic	dine kina	ıse (dhkD) mRNA,	complete cds.
			NT	AA		
ORF Name	NTID	AAID	Length	Length	Score	Probability
23492786 <u></u> c1395	2708 7	930	85 2	:58		
Protein name				Locus	Name	Acc#
Description						
NO-HIT						
			175			
ORF Name	NTID	AAID	<u>NT</u> Length	AA Length	Score	Probability
2350306 <u></u> f1 <u></u> 106	2709 7	931	100 3	03	105	6.6e-06
Protein name				Locus	Name	Acc#
hypothetical prot	ein PH0217			pir:G71	.244	G71244
Description	×					

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			NT	AA T	Score	Probability
ORF Name	NTID	AAID	Length	Length		
23537750_f2_168	2710	932	567 1	704	269	3.5e-21
Protein name				Locus	Name	Acc#
immunoreactive 53 k	D antigen F	PG123		gp:AF14	4641	AF144641
Description						
Porphyromonas gingi	valis stra:	in W50 ir	munoreac	tive 53	kD antig	enPG123 gene,
complete cds.			-			
ORF Name	NTID	AAID	NT Length	<u>AA</u> Length	Score	Probability
23625061 f2_247	2711	7933	246 7	41		
Protein name	<u> </u>			Locus	Name	Acc#
Description						*
NO-HIT						
NO-HIT			NT	AA	Score	Probability
NO-HIT	NTID	AAID	Length	Length		
		<u>AAID</u> 7934	Length		Score	Probability 1.3e-13
ORF Name			Length	Length		
ORF Name 23.6.2.940.7t2244	2712	7934	Length	Length	184 s Name	1.3e-13
ORF Name 23629407t2244 Protein name	2712	7934	Length	Length 1233 Locu	184 s Name	1.3e-13 <u>Acc#</u>
ORF Name 23629407t2244 Protein name hypothetical prote	2712	7934	Length 410	Length Locu pir:C4	184 s Name	1.3e-13 Acc# C43649
ORF Name 23.6.2940.7t2244 Protein name hypothetical prote Description	2712	7934	Length	Length 1233 Locu	184 s Name	1.3e-13 <u>Acc#</u>
ORF Name 23629407t2244 Protein name hypothetical prote Description ORF Name	in (avrc 3'	region)	Length 410	Length Locu Dir:C4	184 s Name 3649	1.3e-13 Acc# C43649
ORF Name 23.6.2.940.7t2244 Protein name hypothetical prote Description ORF Name 23.6.33.430c35.52	in (avrc 3'	region)	Length 410 NT Length	Length Locu pir:C4 AA Length	184 S Name 3649 Score	1.3e-13 Acc# C43649
ORF Name 23629407t2244 Protein name hypothetical prote Description ORF Name	in (avrc 3'	region)	Length 410 NT Length	Length Locu pir:C4 AA Length	184 s Name 3649	1.3e-13 Acc# C43649 Probability
ORF Name 23.6.2.940.7t2244 Protein name hypothetical prote Description ORF Name 23.6.33.430c35.52	in (avrc 3'	region)	Length 410 NT Length	Length Locu pir:C4 AA Length	184 S Name 3649 Score	1.3e-13 Acc# C43649 Probability

ORF Name	NTID AAID	NT AA Length Length	Score Probability
23875636_f2_151 Protein name	7936	87 264 Locus	Name Acc#
Description NO-HIT			
ORF Name	NTID AAID	<u>NT</u> <u>AA</u> Length Length	Score Probability
23.8.7.6.5.27c13.5.6	2715 7937	61 186	0.016
Protein name		Locus	Name Acc#
TrkA		gp:BSU6	2055 U62055
Description			
Bacillus subtilis (cds.	CzcD (czcD) gene,	partial cds, TrkA	(trkA) gene, complete
ORF Name	NTID AAID	<u>NT AA</u> Length Length	Score Probability
ORF Name 23939825f3_341	NTID AAID	Length Length	Score Probability 224 4.5e-30
		Length Length	224 4.5e-30
23939825 <u></u> £3 <u>.</u> 341		Length Length	224 4.5e-30 Name Acc#
23939825 <u></u> £3 <u>.</u> 341		Length Length 633 1902 Locus	224 4.5e-30 Name Acc#
23.93.9825 <u>f3</u> 341 Protein_name	2716 7938	Length Length 633 1902 Locus	224 4.5e-30 Name Acc#
23.93.9825f3341 Protein name Description	2716 7938	Length Length [633] [1902] Locus [Sp:YF65]	224 4.5e-30 Name Acc# METJA Q58960
23.93.9825f3341 Protein name Description	2716 7938	Length Length 633 1902 Locus	224 4.5e-30 Name Acc#
23.93.9825f3341 Protein name Description HYPOTHETICAL PROTE	2716 7938 IN MJ1565	Length Length 633 1902 Locus Sp:YF65 NT AA Length Length	224 4.5e-30 Name Acc# METJA Q58960
23.93.9825f3341 Protein name Description HYPOTHETICAL PROTEI	2716 7938 N MJ1565 NTID AAID	Length Length 633 1902 Locus Sp:YF65 NT AA Length Length	224
23939825f3341 Protein name Description HYPOTHETICAL PROTEIN ORF Name 23985687f2231	N MJ1565 NTID AAID 2717 7939	Length Length 633 1902 Locus Sp:YF65 MT AA Length Length 285 858	Acc# Acc# Acc# Acc# Acc# Acc# Acc#

		NT	AA	
ORF Name	NTID AA	ID Length	Length Score	Probability
24250953_f3_254	2718 7940	640	1923 941	1.9e-98
Protein name			Locus Name	Acc#
hypothetical prot	ein F10M10.30		pir:T04772	T04772
Description				
	TH.	NT	AA a	- 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
ORF Name	NTID AF	AID Length	Length Score	Probability
24257177 <u> </u> £3 <u> </u>	2719 7941	688	2067 1426	4.9e-173
Protein name			Locus Name	Acc#
methionyl-tRNA sy	nthetase (mets)	PAB2364	pir:B75074	B75074
Description				
		NTT	AA G	*
ORF Name	NTID A	<u>NT</u> AID Length	Length Score	Probability
2428417 <u></u> c3 <u></u> 594	2720 7942	2 67	204	
Protein name			Locus Name	Acc#
Description				
NO-HIT				- 1
110 1111				
ORF Name	NTID A	<u>NT</u> AID <u>Length</u>	AA Length Score	Probability
24335131f2222	2721 794	3 64	195 106	5.1e-06
Protein name		,	Locus Name	Acc#
hypothetical pro	tein PH0219		pir:A71245	A71245
Description				*
ORF Name	NTID A	<u>NT</u> AID Length	<u>AA</u> <u>Length</u> <u>Score</u>	Probability
24343.756£3255	2722 794	4 62	189	
Protein name			Locus Name	Acc#
Description				
NO-HIT				

ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
24401002_c2_500 Protein name	2723	7945	114	Locus	Name	Acc#
Description						
MO-HII						
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
24412626t2140	2724	7946	682	2049		
Protein name			L	Locus	s Name	Acc#
Description						
NO-HIT					, <u>,</u> ,	
			NT	AA		
ORF Name	NTID	AAID	<u>Length</u>	Length	Score	Probability
244636591	2725	7947	321	966		
Protein name				Locu	s Name	Acc#
Description						
NO-HIT						
			NT	AA	G	Dwobability
ORF Name	NTID	AAID	Length	Length	Score	Probability
24487752 <u></u> £2 <u></u> 249	2726	7948	349	1050	109	0.012
Protein name					s Name	Acc#
DNA-directed RNA polymera		, beta'-2		pir:S7	2284	S72284
Description	*					

			$\underline{\mathtt{NT}}$	<u>AA</u>	Score	Probability	
ORF Name	NTID	AAID	Length	Length			
24494067_t2_169	2727	7949	357 1	074	138	1.1e-08	
Protein name				Locus	3 Name	Acc#	
thiol:disulfide :	interchange p	rotein ho	omolog	pir:E69	9891	E69891	
Description							
			NT	AA	Caoro	Probability	
ORF Name	NTID	AAID	Length	Length	Score	PIODADITICY	
24503502 <u></u> £2 <u>.</u> 143	2728	7950	98	297	124	7.3e-08	3
Protein name				Locus	s Name	Acc#	
hypothetical pro	tein			gp:ssu	18930	Y18930	
Description							
Sulfolobus solfa	taricus 281	kb genomi	c DNA fra	agment,	strain P	2.]
			NT	AA			
ORF Name	NTID	AAID	Length	<u>Length</u>	Score	Probability	
24642312c2464	2729	7951	105	318			
Protein name				Locu	s Name	Acc#	
Description			1	- "	-		7
NO-HIT			-				
			NT	AA Taranahah	Score	Probability	
ORF Name	NTID	AAID	Length	Length		7. 7. 16	
24646916 <u></u> .t1 <u></u> 52	2730	7952	185	558	203	2.7e-16	
Protein name				Locu	ıs Name	Acc#	
RNA polymerase s	sigma factor	SigZ-like	protein	gp:AF1	L37263	AF137263	} -
Description							_
Bacteroides the gene cluster, and complete cds.	aiotaomicron 1 RNA polymer	ase sigma	osomal pr a factors	rotein S1 SigZ-like	6-likepr e proteir	rotein, fucose n (sigZ) genes	

ORF Name	NTID AAID	NT AA Score Probability Length Length
24647188_c2_502	2731 7953	209 630 77 0.019
Protein name		Locus Name Acc#
		gp:HIVY16028 Y16028
Description		
HIV-1 vif, vpr, ta	at, vpu genes, strai	n 95CAMP448.
		NT AA Score Probability
ORF Name	NTID AAID	Length Length
24648417_f3_309	2732 7954	291 876 375 1.4e-41
Protein name		Locus Name Acc#
macrophage infect:	lvity potentiator	gp:LAU91606 U91606
Description		
Legionella adelai complete cds.	densis macrophage in	nfectivity potentiator (mip)gene,
complete cas.		NT AA a Dualachilitu
ORF Name	NTID AAID	Length Length
24648442 <u></u> c3 <u></u> 5.53	2733 7955	504 1515 131 0.00012
Protein name		Locus Name Acc#
		gp:SCYDL057W
Description		
S.cerevisiae chro	mosome IV reading f	rame ORF YDL057w.
		NT AA Score Probability
ORF Name	NTID AAID	Length Length
24650150 <u></u> c1 <u></u> 396	2734 7956	466 [1401
Protein name	×.	Locus Name Acc#
Description		
NO-HIT		

ORF Name	NTID AAID	NT AA Score Probe	ability
24798157_c2_460 Protein name	2735 7957	Locus Name	Acc#
Description			
NO-HIT			
ORF Name	NTID AAID	NT AA Score Proba	ability
2531537 <u></u> ±2 <u></u> 197	7958	1113 Locus Name	Acc#
Description			
NO-HIT			
	2270		ability
ORF Name	NTID AAID	Length Length	
	•		3- 14
25.5473.02c13.79	·		1e-14
25547302_c1_379 Protein name	·		1e-14 Acc#
	·	355 1068 205 3.	
Protein name	·	355 1068 205 3. Locus Name	Acc#
Protein name AlgZ Description	[2737] [7959	355 1068 205 3. Locus Name	Acc# U52431
Protein name AlgZ Description Pseudomonas aeru	ginosa AlgR-cognate	Locus Name gp:PAU52431 sensor AlgZ (algZ) gene, complete	Acc# U52431
Protein name AlgZ Description Pseudomonas aeru ORF Name	ginosa AlgR-cognate NTID AAID	Locus Name Sensor AlgZ (algZ) gene, complete NT AA Length Length Score Prob	Acc# U52431 Te cds.
Protein name AlgZ Description Pseudomonas aeru ORF Name 25578342_f1_120	ginosa AlgR-cognate NTID AAID	355 1068 205 3. Locus Name gp:PAU52431 sensor AlgZ (algZ) gene, complete NT	Acc# U52431 Te cds.
Protein name AlgZ Description Pseudomonas aeru ORF Name	ginosa AlgR-cognate NTID AAID	Locus Name Sensor AlgZ (algZ) gene, complete NT AA Length Length Score Prob	Acc# U52431 Te cds.
Protein name AlgZ Description Pseudomonas aeru ORF Name 25578342_f1_120	ginosa AlgR-cognate NTID AAID	355 1068 205 3. Locus Name gp:PAU52431 sensor AlgZ (algZ) gene, complete NT	Acc# U52431 Te cds.

ORF Name	NTID AAID	NT AA Length Length	Score	Probability
25632882_f1_108	2739 7961	384 1155	321	8.5e-29
Protein name		Locu	s Name	Acc#
conserved hypothet:	ical protein aq_16	pir:C7	0443	C70443
Description				
	i	AA TN		
ORF Name	NTID AAID	Length Length	Score	Probability
26290890 <u>f3</u> 256	2740 7962	1087 3264	422	1.1e-73
Protein name		Loci	ıs Name	Acc#
115K outer membran	e protein precurso	or:SusC pir:J	26027	JC6027
protein				
Description				
		NT AA	0.000	Probability
ORF Name	NTID AAID	Length Length	Score	Plobability
26364458 <u></u> c1433	2741 7963	638 1917	1704	2.4e-175
Protein name		Loca	ıs Name	Acc#
GTP-binding elonga TypA/BipA	tion factor family	y protein pir:E	75426	E75426
Description				
-			-9-	
ORF Name	NTID AAID	<u>NT</u> <u>AA</u> Length <u>Leng</u> th	Score	Probability
26445263 <u></u> c1 <u></u> 3.78	2742 7964	435 1308	252	5.8e-19
Protein name		Loc	us Name	Acc#
immunoreactive 52k	D antigen PG41	gp:AF	175716	AF175716
Description				
Porphyromonas ging complete cds.	jivalis strain W50	immunoreactive 5	2kD antig	enPG41 gene,

ORF Name [26595663_c3_550	NTID AAID 2743 7965	NT AA Score Length Length 358 1077	Probability
Protein name		Locus Name	Acc#
Description			
NO-HIT			
110 1111		7.7.	
ORF Name	NTID AAID	NT AA Score Length Length	Probability
26619587 <u>c2</u> 504	2744 7966	392 1179 271	3.6e-27
Protein name		Locus Name	Acc#
coenzyme PQQ synt	hesis protein (pqqE)	homolog pir:F69551	F69551
Description			
		NT AA Saara	m 1 1 2. 7 2. h
ORF Name	NTID AAID	Length Length Score	Probability
26640807 <u></u> £3 <u></u> 252	2745 7967	496 1491	
Protein name		Locus Name	Acc#
Description			- To
NO-HIT			
		NT AA Gara	
ORF Name	NTID AAID	Length Length Score	Probability
282708 <u>f3320</u>	2746 7968	60 183	
Protein name		Locus Name	Acc#
Description			
NO-HIT			
		NT AA Gaara	Probability
ORF Name	NTID AAID	Length Length Score	
29479502 <u></u> ±2 <u></u> 246	2747 7969	243 732 126	2.3e-06
Protein name		Locus Name	Acc#
probable transcr	iption regulator	pir:T34578	T34578
Description			

ORF Name NTID AAID Length Length
29479676_c2_461
Protein name Locus Name Acc#
sp:DBH_BACST
Description
DNA-BINDING PROTEIN II (HB) (HU)
ORF Name NTID AAID Length Length
29775466_c1_427
Protein name Locus Name Acc#
hypothetical protein APE0626 pir:D72649 D72649
Description
NT AA Score Probability
ORF Name NTID AAID Length Length
3.034543.7c1420
Protein name Locus Name Acc#
hypothetical protein gp:PGI237898 AJ237898
Description Porphyromonas gingivalis olpA and rbfA genes and ORF3 (partial), strain
Porphyromonas gingivalis olpa and ibla genes and onto (parameter). ATCC33277.
NT AA Score Probability
ORF Name NTID AAID Length Length
3.0.5.6.3.1.5.2
Protein name Locus Name Acc#
Description
NO-HIT

ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
30681581_f3_311	2752	7974	104	315		
Protein name				Locus	: Name	Acc#
Description						
NO-HIT						
110 1111						
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
3134627 <u></u> c1 <u></u> 419	2753	7975	486	1461	1062	2.5e-107
Protein name				Locus	s Name	Acc#
				sp:KPY	K_BORBU	051323
Description				,		
PYRUVATE KINASE,	(PK)		· 			
PYRUVATE KINASE,	(FIC)					
PYROVATE KINASE,	(FIC)		אידי	AA		
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
	NTID	<u>AAID</u> 7976	Length		Score	Probability 0.016
ORF Name	NTID	-	Length	Length		
ORF Name 3156300t2172	<u>NTID</u> 2754	7976	Length	Length	100 s Name	0.016
ORF Name 3156300_f2_172 Protein name	<u>NTID</u> 2754	7976	Length	Length 1212 Locu	100 s Name	0.016 <u>Acc#</u>
ORF Name 3156300_t2_172 Protein name hypothetical prote	<u>NTID</u> 2754	7976	Length	Length 1212 Locu pir:T1	100 s Name	0.016 Acc# T14767
ORF Name 3156300_t2_172 Protein name hypothetical prote	<u>NTID</u> 2754	7976	Length	Length 1212 Locu	100 s Name	0.016 <u>Acc#</u>
ORF Name 3.156.3.00f2172 Protein name hypothetical protein Description	NTID 2754 2754 2754 NTID	7976 SD1824.1	Length 403 NT Length	Length 1212 Locu pir:T1	100 s Name 4767	0.016 Acc# T14767
ORF Name 3.1563.00t2172 Protein name hypothetical prote Description ORF Name	NTID 2754 2754 2754 NTID	7976 5D1824.1 AAID	Length 403	Length Locu pir:T1 AA Length	100 s Name 4767	0.016 Acc# T14767
ORF Name 3.1.5.6.3.0.0£21.7.2	NTID 2754 2754 2754 NTID	7976 5D1824.1 AAID	Length 403	Length Locu pir:T1 AA Length	100 s Name 4767 Score	O.016 Acc# T14767 Probability

ORF Name	NTID	AAID	<u>NT</u> Length	AA Length	Score	Probability
31750058_f2_128 Protein name	2756	7978	76 2	Locus	s Name	Acc#
Description		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			_	
140 1111						
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
317.6.43.7£217.0	2757	7979	514	.545	1367	1.2e-139
Protein name				Locus	s Name	Acc#
hypothetical prote	in slr0904			pir:S7	5721	S75721
Description				* -		
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
32064193 <u>c1</u> 387	2758	7980	404	215	1403	1.9e-143
Protein name				Locus	s Name	Acc#
UDP-ManNAc dehydro	genase			gp:AF1	25164	AF125164
Description						
Bacteroides fragil complete sequence;			ide B (PS	B2) bio	osynthes	islocus,
			NT	AA	Score	Probability
ORF Name	NTID	AAID	Length	Length	BCOTC	11000011107
3234530 <u>f2</u> 127	2759	7981	379	1140	150	1.1e-07
Protein name				Locu	s Name	Acc#
hypothetical prote	in			pir:G7	5375	G75375
Description						

ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
33390680_f1_84	2760	7982	222	69	101	0.047
Protein name				Locus	s Name	Acc#
otoferlin				gp:AF1	07403	AF107403
Description						
Homo sapiens otof	erlin (OTOF)	mRNA, c	omplete o	cds.		
			NT	AA	Score	Probability
ORF Name	NTID	AAID	Length	<u>Length</u>	BCOIC	
33792160_f2_138	2761	7983	87	264	82	0.020
Protein name					s Name	Acc#
				gp:PFM	AL3P7	
Description						
Descripcion						
Plasmodium falcig	parum MAL3P7,	, complet	e sequen	ce.		:
	parum MAL3P7,	, complet	e sequen	ce.		Drobability
	Darum MAL3P7,	, complet			Score	Probability
Plasmodium falcip	NTID		<u>NT</u> Length	AA	Score	Probability
Plasmodium falcip	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length 267		*
Plasmodium falcip ORF Name 34081405_c1_376	NTID 	AAID	<u>NT</u> Length	<u>AA</u> Length 267	110	1.9e-06
Plasmodium falcip ORF Name 34081405_c1_376	NTID 	AAID	<u>NT</u> Length	AA Length 267 Locu	110	1.9e-06 <u>Acc#</u>
ORF Name 34081405_c1_376 Protein name hypothetical prot	NTID 	AAID	NT Length	AA Length 267 Locu	110	1.9e-06 Acc# F71245
ORF Name 34081405_c1_376 Protein name hypothetical prot	NTID 	AAID	<u>NT</u> Length	AA Length 267 Locu pir:F7	110 IS Name 1245 Score	1.9e-06 <u>Acc#</u>
ORF Name 34081405_c1_376 Protein name hypothetical prot Description	NTID 2762 Tein PHS004 NTID	<u>AAID</u> 7984	NT Length 88 NT Length	AA Length 267 Locu pir:F7	110 IS Name 1245 Score	1.9e-06 <u>Acc#</u> F71245
ORF Name 34081405_c1_376 Protein name hypothetical prot Description ORF Name	NTID 2762 Tein PHS004 NTID	<u>AAID</u> 7984 <u>AAID</u>	NT Length 88 NT Length	AA Length Locu pir:F7 AA Length	110 IS Name 1245 Score	1.9e-06 Acc# F71245 Probability
ORF Name 34081405c1376 Protein name hypothetical prot Description ORF Name 340.94141f2248	NTID 2762 Eein PHS004 NTID 2763	AAID AAID 7985	NT Length 88 NT Length	AA Length Locu pir:F7 AA Length	110 S Name 1245 Score 156 IS Name	1.9e-06 Acc# F71245 Probability 2.6e-11

ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
34172157_c3_543	2764	7986	110 3	33	80	0.022
Protein name			<u></u>	Locus	Name	Acc#
transposase				gp:EFEN	TIJO	Y16413
Description						
Enterococcus faec	ium entI and	l entJ gei	nes and t	wo open	readingf	rames.
			NT	<u>AA</u>	Score	Probability
ORF Name	NTID	AAID	Length	Length		
34176550_c3_549	2765	7987	346	041	201	1.7e-13
Protein name				Locus	s Name	Acc#
integrase IntN1				gp:BUU	51917	U51917
Description	*					
Bacteroides unifo	rmis inserti	ion eleme	nt NBU1 :	ragment	, integra	aseIntN1 gene,
						· · · · · · · · · · · · · · · · · · ·
			NT	AA	Score	Probability
ORF Name	NTID	AAID	Length	Length		
ORF Name 3.41988.00t110.7		<u>AAID</u> 7988	Length	Length	58	0.024
34198800f1107	2766	7988	Length	Length 183 Locu	58 s Name	0.024 <u>Acc#</u>
34198800 <u></u> ±1 <u></u> 107	2766	7988	Length	Length	58 s Name	0.024
34198800f1107 Protein name immunoglobulin he Description	avy chain va	7988 ariable r	Length 60	Length Locu gp:BTU	58 s Name 49783	0.024 Acc# U49783
2.4198800_t1_107 Protein name immunoglobulin he	avy chain va	7988 ariable r	Length 60	Length Locu gp:BTU	58 s Name 49783	0.024 Acc# U49783
Protein name immunoglobulin he Description Bos taurus immunoglobulin	avy chain va	7988 ariable r	Length 60 egion heavy ch	Length Locu Locu gp:BTU ain vari	58 s Name 49783 able reg	0.024 Acc# U49783
Protein name immunoglobulin he Description Bos taurus immunoglobulin	avy chain va	7988 ariable r	Length 60 egion heavy ch	Length Locu Gp:BTU ain vari AA Length	58 s Name 49783	0.024 Acc# U49783
Protein name immunoglobulin he Description Bos taurus immuno partial cds.	avy chain va	7988 ariable r	Length 60 egion heavy ch	Length Locu Gp:BTU ain vari AA Length	58 s Name 49783 able reg	O.024 Acc# U49783 ionmRNA, Probability
Protein name immunoglobulin he Description Bos taurus immuno partial cds.	avy chain va	7988 ariable r arranged AAID	Length 60 egion heavy ch	Length Locu Gp:BTU ain vari AA Length	58 s Name 49783 able reg	0.024 Acc# U49783
Protein name immunoglobulin he Description Bos taurus immuno partial cds. ORF Name 34259628_cl_398	avy chain va	7988 ariable r arranged AAID	Length 60 egion heavy ch	Length Locu Gp:BTU ain vari AA Length	58 s Name 49783 able reg	O.024 Acc# U49783 ionmRNA, Probability

ORF Name	NTID AAID	NT AA Score Probability
35172150_f2_152	2768 7990	71 216
Protein name		Locus Name Acc#
Description		
NO-HIT		
		NT AA Gwas Drobobility
ORF Name	NTID AAID	Length Length Score Probability
35839375 <u></u> c1351	2769 7991	370 1113 1470 1.5e-150
Protein name		Locus Name Acc#
hypothetical pro	ein	pir:JQ1020 JQ1020
Description)	
		NT AA Grave Probability
ORF Name	NTID AAID	Length Length Probability
36.07.26.40 <u></u> c3 <u></u> 58.8	2770 7992	111 336 99 2.8e-05
Protein name		Locus Name Acc#
hypothetical pro	tein PH0994	pir:E71091 E71091
Description		
7		NT AA Grave Probability
ORF Name	NTID AAID	Length Length Score Probability
3.9127.62 <u></u> £2 <u></u> 245	2771 7993	74 225
Protein name		Locus Name Acc#
Description		
NO-HIT		
		NT AA Grave Probability
ORF Name	NTID AAID	Length Length Score Probability
3.914.0.93 <u></u> £2 <u></u> 228	2772 7994	68 207
Protein name		Locus Name Acc#
Description		
NO-HIT		

	NTID AAID	NT AA Score Probability Length Length	
ORF Name			
4032890_c1_429	2773 7995		
Protein name		Locus Name Acc#	
sensory transduc	ction histidine kinase slr2098:protein slr209	pir:S75130 S75130	
Description			
		NT AA Score Probability	
ORF Name	NTID AAID	Length Length	
4067837 <u></u> ±1 <u></u> 123		146 441	
Protein name		Locus Name Acc#	
Description			
NO-HIT			
NO IIII		7.2	
ORF Name	NTID AAID	$rac{ ext{NT}}{ ext{Length}}$ $rac{ ext{AA}}{ ext{Length}}$ Score Probability	
4095080cl_401		692 2079 620 5.1e-92]
Protein name		Locus Name Acc#	
		sp:Y590_METJA Q58010	
Description			
	ROTEIN MJ0590		
HYPOTHETICAL PI	ROTEIN MJ0590		· .
	ROTEIN MJ0590 NTID AAID	NT AA Score Probability	
HYPOTHETICAL PROPERTY ORF Name	NTID AAID	Score Probability	
ORF Name	NTID AAID	Length Length Score Probability	
ORF Name 4117188_C2_463 Protein name	NTID AAID	Length Length Score Probability 282 849 455 3.3e-58 Locus Name Acc#]
ORF Name 4117188c2463 Protein name helicase	NTID AAID	Length Length Score Plobability 282 849 455 3.3e-58 Locus Name Acc#	
ORF Name 411.7188c246.3 Protein name helicase Description	NTID AAID	Length Length Score Probability 282 849 455 3.3e-58 Locus Name Acc#]

ORF Name 4117336_f1_90 Protein name hypothetical prote Description	NTID 2777 in jhp0094	<u>AAID</u> 7999	NT Length 260	AA Length 783 Locus pir:E71		Probability 8.9e-34 Acc# E71975
			NT	<u>AA</u>	Score	Probability
ORF Name	NTID	AAID	Length	<u>Length</u>		
4157880 <u>c1</u> 388	2778	8000	380	1143	1207	1.1e-122
Protein name				Locus	Name	Acc#
putative UDP-N-ace	tylglucosa	mine 2-ep	imerase	gp:ALW2	43431	AJ243431
Description						
Acinetobacter lwofweeF, weeG, weeH, weeG, weeH, weeG, weeH, weeG, weeH, weeG, weeH, weeK, welk, welk, welk, welk, wether welk,	veeI, weeJ,	weeK, ga	lV, ugd,	pgi,galb	i, pgm (I	partial) and
mile (partition)	(Cind 15 0111	D1007110110		CIUSCEI),		
штр (разотит)	(6.1.02.2011)	D10Dy110110	NT	AA		
ORF Name	NTID	AAID			Score	Probability
	NTID		<u>NT</u> Length	AA		
ORF Name	NTID	AAID	<u>NT</u> Length	AA Length	Score	Probability
ORF Name 4320288_c2_473	NTID	AAID	<u>NT</u> Length	AA Length 3045 Locus	Score	Probability 3.0e-68
ORF Name 4320288_c2_473	NTID	AAID	<u>NT</u> Length	AA Length 3045 Locus	Score 712 Name	Probability 3.0e-68
ORF Name 4320288_c2_473 Protein name	<u>NTID</u> 2779	AAID	<u>NT</u> Length	AA Length 3045 Locus	Score 712 Name	Probability 3.0e-68
ORF Name 4320288_c2_473 Protein name Description	<u>NTID</u> 2779	AAID	NT Length	AA Length 3045 Locus sp:Y899	Score 712 Name	Probability 3.0e-68 Acc#
ORF Name 4320288_c2_473 Protein name Description	<u>NTID</u> 2779	AAID	<u>NT</u> Length	AA Length 3045 Locus	Score 712 Name	Probability 3.0e-68
ORF Name 4320288_c2_473 Protein name Description HYPOTHETICAL PROTE	NTID 2779 EIN HI0895 NTID	<u>AAID</u> 8001	NT Length 1014	AA Length 3045 Locus sp:Y899	Score 712 S Name 5_HAEIN	Probability 3.0e-68 Acc#
ORF Name 4320288_c2_473 Protein name Description HYPOTHETICAL PROTE ORF Name	NTID 2779 EIN HI0895 NTID	AAID AAID	NT Length 1014	AA Length 3045 Locus sp:Y899 AA Length	Score 712 S Name 5_HAEIN	Probability 3.0e-68 Acc#
ORF Name 4320288_c2_473 Protein name Description HYPOTHETICAL PROTE ORF Name 4411636_c1_361	NTID 2779 EIN HI0895 NTID	AAID AAID	NT Length 1014	AA Length 3045 Locus sp:Y899 AA Length	Score 712 S Name 5_HAEIN Score	Probability 3.0e-68 Acc# Probability

		NT AA Geers Probability
ORF Name	NTID AAID	Length Length Score Probability
4491411_f2_133	2781 8003	213 642 121 5.4e-05
Protein name		Locus Name Acc#
putative large s	secreted protein	gp:SCF12 AL117669
Description		
Streptomyces coe	elicolor cosmid F12.	
ORF Name	NTID AAID	NT AA Score Probability
4494028_f3_299	2782 8004	396 1191 222 1.1e-16
Protein name		Locus Name Acc#
capsular polysac	ccharide biosynthsis p	pir:F70441 F70441
Description		
		NT AA Score Probability
ORF Name	NTID AAID	Length Length Score Probability
456.9683±17.6	2783 8005	165 498
	2/03	165 498
Protein name	2700	Locus Name Acc#
Protein name Description		J
		J
Description		Locus Name Acc#
Description	NTID AAID	Locus Name Acc#
Description NO-HIT	NTID AAID	Locus Name Acc# NT AA Score Probability
Description NO-HIT ORF Name	NTID AAID	Locus Name Acc# NT AA Score Probability Length Length
Description NO-HIT ORF Name 4580050_c1_399	NTID AAID	Locus Name Acc# NT AA Score Probability Length Length 401 1206
Description NO-HIT ORF Name 4580050_c1_399	NTID AAID	Locus Name Acc# NT AA Score Probability Length Length 401 1206

ORF Name 4694410 f3_343	NT AA NTID AAID Length Length Score Probability [2785] [8007] [85] [258]
Protein name	Locus Name Acc#
Description	
NO-HIT	
	NT AA Score Probability
ORF Name	NTID AAID Length Length
48.015.88 <u></u> £3 <u></u> 3.0.0	
Protein name	Locus Name Acc#
hypothetical prot	in F13H8.1 pir:T16066 T16066
Description	
	NT AA Grana Brobability
ORF Name	NTID AAID Length Length Score Probability
4860650 <u></u> £1 <u></u> 14	2787 8009 95 288 75 0.0099
Protein name	Locus Name Acc#
ct602 hypothetica	protein pir: F72036 F72036
Description	
	NT AA Duchahilitar
ORF Name	NTID AAID Length Length Score Propability
4881301 <u></u> c1 <u></u> 363	2788 8010 306 921
Protein name	Locus Name Acc#
Description	
NO-HIT	
	NT AA Score Probability
ORF Name	NTID AAID Length Length Probability
4884681 <u></u> c1365	2789 8011 99 300 113 9.3e-07
Protein name	Locus Name Acc#
protein gp57	pir:T13144 T13144
Description	

		NT AA Garage Duchahilitus	
ORF Name	NTID AAID	NT AA Score Probability Length Length	
4886652_f3_280	2790 8012	574 1725 84 0.045	
Protein name		Locus Name Acc#	
hypothetical prot	ein PFB0765w	pir:E71606 E71606	
Description			
		NTI 7.7	
ORF Name	NTID AAID	NT AA Score Probability Length Length	
4898437 <u></u> ±2 <u></u> 167	2791 8013	320 963 580 3.0e-56	
Protein name		Locus Name Acc#	
tyrosine recombin	nase XerD	gp:AF093548 AF093548	3
Description			
Staphylococcus a	ureus tyrosine recomb	inase XerD (xerD) gene,complete cds.	
		NT AA Gora Probability	
ORF Name	NTID AAID	Length Length Score Probability	
4945451 <u></u> £2 <u></u> 205	2792 8014	417 1254 214 7.8e-15	
Protein name		Locus Name Acc#	
probable mannosy	Itransferase	pir:C75423 C75423	
Description		X 4 4	
ORF Name	NTID AAID	NT AA Score Probability Length Length	
4960907 <u></u> t2 <u>229</u>	2793 8015	174 525 206 1.3e-16	
Protein name		Locus Name Acc#	
hypothetical pro	tein APE1457	pir:A72625 A72625	
Description	*		
		7.7	
ORF Name	NTID AAID	NT AA Score Probability Length Length	
506502 <u></u> £2 <u></u> 145	2794 8016	203 612 522 4.3e-50	
Protein name		Locus Name Acc#	
epoxidase		pir:F69187 F69187	
Description			

ORF Name	NTID AAID	NT AA Score	Probability
5093790_c3_571 Protein name	2795 8017	Locus Name	Acc#
Description			
NO-HIT			·
ORF Name	NTID AAID	NT AA Score Length Length	Probability
5110212 <u></u> c1 <u></u> 364	. 2796 8018	338 1017	
Protein name		Locus Name	Acc#
Description			
NO-HIT			
ORF Name	NTID AAID	NT AA Length Length Score	Probability
5116680 <u></u> £2 <u></u> 146	2797 8019	560 1683 1827	2.2e-188
Protein name		Locus Name	Acc#
probable acidCoA	ligase, MTH657	pir:D69187	D69187
Description			<u> </u>
ORF Name	NTID AAID	<u>NT</u> <u>AA</u> <u>Score</u> <u>Length</u> <u>Length</u>	Probability
5273337 <u>_</u> £1_24	2798 8020	83 252	
Protein name		Locus Name	Acc#
Description			
NO-HIT	1		
ORF Name	NTID AAID	NT AA Length Length	Probability
5275263 <u></u> .a3 <u></u> 567	2799 8021	348 1047 226	5.0e-17
Protein name		Locus Name	Acc#
cation efflux sys	tem (czcB-like)	pir:C70415	C70415
Description			

		NT	<u>AA</u>	Score	Probability
ORF Name	NTID AAID		ength -		
5332506_f2_221 2	800	95 288	3	73	0.034
Protein name			Locus	Name	Acc#
hypothetical protein	PH0220		pir:B712	245	B71245
Description					
ORF Name	NTID AAID	<u>NT</u> Length L	AA Length	Score	Probability
589038 <u>£3</u> 3252	8023	96 29:	1		
Protein name			Locus	Name	Acc#
Description					
NO-HIT					, , , , , , , , , , , , , , , , , , ,
		NT	AA	Score	Probability
ORF Name	NTID AAID	Length 1	Length		
6.0.95461c1_418	2802 8024	143 43	2	379	6.1e-35
Protein name	-		Locus	Name	Acc#
3-dehydroquinate deh 3-dehydroquinase:prot	ein sll1112:carbo	nic	pir:S77	551	\$77551
3-dehydroquinase:prot	ein sillil				
			ē .		
ORF Name	NTID AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
6407762 <u></u> c2510	2803 8025	117 35	54	358	1.0e-32
Protein name			Locus	Name	Acc#
RBFA, putative		1	gp:PGI2	237898	AJ237898
Description		0			
Porphyromonas gingiv ATCC33277.	alis olpA and rbf	A genes ar	nd ORF3	(partia	l),strain

ODT 11	MILL AA	<u>NT</u> ID Length	<u>AA</u> Length	Score	Probability
ORF Name					
6586_f2_129	2804 8026	587	1764		
Protein name			Locus	Name	Acc#
Description					
NO-HIT					
		NT	AA		_ 1111
ORF Name	NTID AA	.ID Length		Score	Probability
6829052 <u>t3</u> 298	2805 8027	458	1377	542	3.2e-52
Protein name			Locus	Name	Acc#
O-antigen repeat ur	iit transporter	Wzx	gp:AF17	2324	AF172324
Description					
Escherichia coli Gatransporter Wzx (wzx (wbnB), WbnC (wbnC) (galE), 6-phosphogluUqd (ugd), and WbnF	k), WbnA (wbnA) , WbnD (wbnD), uconate dehydro	, O-antigen WbnE (wbnE) ogenaseGnd (g	polymerase, UDP-Glc-4, gnd), UDP-0	e Wzy(wz -epimera Glc-6-de	y), WbnB se GalE hydrogenase
ORF Name	NTID AA	NT AID Length	<u>AA</u> Length	Score	Probability
7142501f33.04	2806 8028	439	1320	344	3.1e-31
Protein name			Locus	Name	Acc#
hypothetical prote	in RP336		pir:B71	690	B71690
Description				-	* *
		NT	AA		D1-1-1-1-1
ORF Name	NTID A	AID Length	Length	Score	<u>Probability</u>
791436c3612	2807 8029	220	663	363	3.0e-33
Protein name			Locus	Name	Acc#
O-methyltransferase	9		pir:B70	431	B70431
Description					

			NT	AA		Desababilites	
ORF Name	NTID	AAID	Length	Length	Score	Probability	
797311_f2_234	2808	8030	83	252			
Protein name				Locus	Name	Acc#	
Description							
NO-HIT]
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
838915 <u>f2</u> _188	2809	8031	101	306	112	1.2e-06	
Protein name				Locus	Name	Acc#	
hypothetical p	protein PH1791			pir:G7	1189	G71189	
Description		10					
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	7
ORF Name		<u>AAID</u>	Length		Score	Probability	-
			Length	Length	Score S Name	Probability Acc#	
B501_c1_422			Length	Length	* *		-
8501 <u></u> c1 <u></u> 422			Length	Length	* *		
B501_c1_422			Length	Length	* *]
Protein name Description			Length	Length	s Name	Acc#	
Protein name Description			Length	Length 990 Locus	* *		
Protein name Description NO-HIT		8032	Length 329 NT Length	Length 990 Locus	s Name	Acc#	
Protein name Description NO-HIT ORF Name		8032 <u>AAID</u>	Length 329 NT Length	Length Locus AA Length	Score	Acc# Probability	
Protein name Description NO-HIT ORF Name 9765652_f3_330 Protein name yhcV homolog		<u>AAID</u> 8033	Length 329 NT Length 90	Length Locus AA Length	Score 77 S Name	Acc# Probability 0.014	

ORF Name	NTID AAID	NT AA Score Probability Length Length	
976577_t2_150	2812 8034	832 2499 104 6.1e-05	
Protein name		Locus Name Acc#	
hypothetical prote	in	gp:SSU18930 Y18930	
Description			
Sulfolobus solfata	ricus 281 kb genomi	lc DNA fragment, strain P2.	
		NT AA Score Probability	
ORF Name	NTID AAID	Length Length Score Probability	
993811_f3_310	2813 8035	162 489 282 1.2e-24	
Protein name		Locus Name Acc#	
		sp:ASNC_ECOLI P03809	
Description			
REGULATORY PROTEIN	ASNC		
		NT AA	
ORF Name	NTID AAID	NT AA Score Probability	
ORF Name		Score Probability	
		Length Length Score Flobability	
9959637_c3_595 Protein name		<u>Length Length</u> 101 0.0013	
9959637_c3_595 Protein name	2814 8036	Length Length Score Frobability 417 1254 101 0.0013 Locus Name Acc#	
9959637_c3_595 Protein name thiol:disulfide in	2814 8036	Length Length Score Frobability 417 1254 101 0.0013 Locus Name Acc# pir:C70314 C70314]
9959637_c3_595 Protein name thiol:disulfide in Description	2814 8036	Length Length Score Frobability 417 1254 101 0.0013 Locus Name Acc#	
9959637_c3_595 Protein name thiol:disulfide in Description ORF Name	NTID AAID	Length Length Score Frobability 417 1254 101 0.0013 Locus Name Acc# pir:C70314 C70314	
9959637_c3_595 Protein name thiol:disulfide in Description	NTID AAID	Length Length Score Frobability 417 1254 101 0.0013 Locus Name Acc# pir:C70314 C70314 NT AA Score Probability Length Length Probability	
Protein name thiol:disulfide in Description ORF Name	NTID AAID 2815 8037	Length Length Score Frobability 417 1254 101 0.0013 Locus Name Acc# pir:C70314 C70314 NT AA Score Probability Length Length 93 2.1e-06	
Protein name thiol:disulfide in Description ORF Name 10191317_t1_20 Protein name hypothetical protein Description	NTID AAID 2815 8037 ein Jv0534	Length Length Score Frobability 417 1254 101 0.0013 Locus Name Acc# pir:C70314 C70314 NT AA Score Probability Length Length 93 2.1e-06 Locus Name Acc#	

		7 7 TD	NT	<u>AA</u> Length	Score	Probability	
ORF Name	NTID	AAID	Length		M TO	1.2e-43	7
14566582_c1_74	2816	8038	635	.908	473		J
Protein name					Name	Acc#	
sensory transducti slr2098:protein slr	on histidir	ie kinase in slr2098	3	pir:S75	5130	S75130	
			~	!			
Description							
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
14574068 <u></u> c1 <u></u> 99	2817	8039	78	234			
Protein name				Locus	s Name	. Acc#	
Description							
NO-HIT							
			NT	AA	Score	Probability	
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	v		
ORF Name 14629712t234		<u>AAID</u>	Length		Score	Probability 7.1e-80]
			Length	Length	v		
14629712t234	2818	8040	Length	Length	469 s Name	7.1e-80	
Protein name 115K outer membrar protein	2818	8040	Length	Length 3201 Locu	469 s Name	7.1e-80 <u>Acc#</u>	
14629712t234	2818	8040	Length	Length 3201 Locu	469 s Name	7.1e-80 <u>Acc#</u>	
Protein name 115K outer membrar protein	2818	8040	Length	Length 3201 Locu	469 s Name	7.1e-80 <u>Acc#</u>	
Protein name 115K outer membrar protein Description	2818 ne protein NTID	8040 precursor	Length 1066 :SusC NT Length	Length 3201 Locu pir:JC	469 s Name 6027	7.1e-80 Acc# JC6027	
Protein name 115K outer membrar protein Description ORF Name	2818 ne protein NTID	precursor	Length 1066 :SusC NT Length	Length Locu pir:JC AA Length 207	469 s Name 6027	7.1e-80 Acc# JC6027	
Protein name 115K outer membrar protein Description ORF Name	2818 ne protein NTID	precursor	Length 1066 :SusC NT Length	Length Locu pir:JC AA Length 207	469 s Name 6027 Score	7.1e-80 Acc# JC6027 Probability	
Protein name 115K outer membrar protein Description ORF Name 14944534_c3_164	2818 ne protein NTID	precursor	Length 1066 :SusC NT Length	Length Locu pir:JC AA Length 207	469 s Name 6027 Score	7.1e-80 Acc# JC6027 Probability	

ORF Name	NTID	<u>AAID</u>	<u>NT</u> Length	AA Length	Score	Probability	
16132962_c3_126	2820 80)42	206	21	239	2.4e-19	
Protein name				Locus	Name	Acc#	
hypothetical prote	ein RP329			pir:C71	689	C71689	
Description							
		9	NT	AA	Saoro	Probability	
ORF Name	NTID	AAID	Length	Length	Score	FIODABILLEY	
1953877 <u></u> £1 <u></u> 26	2821 8	043	66 2	01			
Protein name				Locus	Name	Acc#	
Description							
NO-HIT							
			NT	AA	Score	Probability	
ORF Name	NTID	AAID	Length	Length	<u>50020</u> ,		
19578827 <u>f2</u> 33	2822 8	044	282	849		¥.	
Protein name				Locus	Name	Acc#	
Description	e e						
NO-HIT				-		3	
			NT	AA	Capro	Probability	
ORF Name	NTID	AAID	Length	Length	Score	FIODADITIE	
2043.76.62 <u></u> £3 <u></u> .54	2823	045	309	930	151	2.2e-08	
Protein name				Locu	s Name	Acc#	
regulatory protei	n hpaA			pir:A5	5349		
Description							
			NT	AA			
ORF Name	NTID	AAID	<u>Length</u>	Length	Score	Probability	
22348262 <u></u> c2 <u></u> 124	2824	3046	754	2265	510	4.6e-46	
Protein name				Locu	s Name	Acc#	
cation efflux (Ad	crB/AcrD/AcrF	family)		pir:F7	0368	F70368	
Description		*	-				

	NTID AAID	NT AA Score Probability
ORF Name		
22365790_f1_8	2825 8047	,,,
Protein name		Locus Name Acc#
unknown		gp:AF007157 AF007157
Description		
Homo sapiens clo	ne 23856 unknown mRNA,	, partial cds.
		NT AA Grans Probability
ORF Name	NTID AAID	Length Length Score Probability
23546890_c2_120	2826 8048	253 762 275 6.3e-24
Protein name		Locus Name Acc#
		sp:YEHT_ECOLI
Description		-
HYPOTHETTCAL 27.	9 KD PROTEIN IN MOLR-	RGLX INTERGENIC REGION
111101111111111111111111111111111111111	J 100 12101	
111101111111111111111111111111111111111		277
ORF Name	NTID AAID	NT AA Score Probability
	NTID AAID	NT AA Score Probability
ORF Name	NTID AAID	NT AA Score Probability Length Length
ORF Name 23572188_t2_39	NTID AAID	NT AA Length Length Score Probability 568 1707 392 4.1e-50
ORF Name 23572188_t2_39	NTID AAID	NT AA Score Probability Length Length 392 4.1e-50 Locus Name Acc#
ORF Name 23572188_t2_39 Protein name	NTID AAID 2827 8049	NT AA Score Probability Length Length 392 4.1e-50 Locus Name Acc#
ORF Name 23572188_t2_39 Protein name Description	NTID AAID 2827 8049	NT AA Score Probability Second Probability
ORF Name 23572188_t2_39 Protein name Description	NTID AAID 2827 8049	NT AA Score Probability Length Length 392 4.1e-50 Locus Name Acc#
ORF Name 235.72188_t2_39 Protein name Description ACYL-COA DEHYDRO	NTID AAID 2827 8049 GENASE, NTID AAID	NT AA Score Probability Length Length Score Probability 4.1e-50 Locus Name Acc# Sp:ACDB_BACSU P45857 NT AA Score Probability
ORF Name 235.72188_t2_39 Protein name Description ACYL-COA DEHYDRO	NTID AAID 2827 8049 GENASE, NTID AAID	NT AA Score Probability Second Probability Probability
ORF Name 235.72188_t2_39 Protein name Description ACYL-COA DEHYDRO ORF Name 2425.0285_c3_151 Protein name	NTID AAID 2827 8049 GENASE, NTID AAID	NT AA Score Probability 568 1707 392 4.1e-50 Locus Name Acc# Sp:ACDB_BACSU P45857 NT AA Score Probability NT Length Length 81 246
ORF Name 235.72188t239 Protein name Description ACYL-COA DEHYDRO ORF Name 2425.0285C3151	NTID AAID 2827 8049 GENASE, NTID AAID	NT AA Score Probability 568 1707 392 4.1e-50 Locus Name Acc# Sp:ACDB_BACSU P45857 NT AA Score Probability NT Length Length 81 246

	MELL	AAID L	<u>NT</u> ength I	<u>AA</u> Length	Score	Probability
ORF Name	NTID				357	1 1.2e-55
24407552_c2_102	2829)51 3:	17 95		, , , , , , , , , , , , , , , , , , , ,	
Protein name				Locus		Acc#
				sp:DNAJ	THETH	
Description						
DNAJ PROTEIN						
			NT	AA	Score	Probability
ORF Name	NTID	AAID L	ength 1	Length	00010	
24495463_f2_38	2830 80	3	44 10	35	710	5.1e-70
Protein name				Locus	Name	Acc#
				sp:FIXE	_CLOAB	P53578
Description						
FIXB PROTEIN		7	;			`
-			NT	AA	Score	Probability
ORF Name	NTID	AAID L		<u>AA</u> Length	Score	Probability
ORF Name 24644011t236			ength		Score	Probability
			ength	Length		
24644011 <u></u> .±2 <u></u> 36			ength	Length	441 Name	1.6e-41
24644011 <u></u> .±2 <u></u> 36			ength	Length 887 Locus	441 Name	1.6e-41 <u>Acc#</u>
Protein name Description		053 6	uength	Length Locus gp:ATAC	441 S Name C005851	1.6e-41 <u>Acc#</u> AC005851
Protein name Description	2831 8	053 6	uength	Length Locus gp:ATAC	441 S Name C005851	1.6e-41 <u>Acc#</u> AC005851
Protein name Description Arabidopsis tha	2831 8	e II BAC	Eength 28 18 F24D13 NT	Locus Gp:ATAC genomic AA	441 S Name C005851	1.6e-41 <u>Acc#</u> AC005851
Protein name Description Arabidopsis tha	2831 8	e II BAC	Ength 28 18 F24D13 NT	Locus Gp:ATAC	441 Name C005851 sequence	Acc# AC005851 e, complete
Protein name Description Arabidopsis that sequence.	Iliana chromosom	e II BAC AAID I	Eength 28 18 F24D13 NT	Length Locus Gp:ATAC Genomic AA Length	441 Name C005851 sequence	Acc# AC005851 e, complete
Protein name Description Arabidopsis that sequence. ORF Name	Iliana chromosom	e II BAC AAID I	F24D13 c	Locus GP:ATAC Genomic AA Length	441 Name C005851 sequence	Acc# AC005851 e, complete
Protein name Description Arabidopsis that sequence. ORF Name 2845068f356	Iliana chromosom	e II BAC AAID I	F24D13 c	Locus GP:ATAC Genomic AA Length	Mame C005851 Sequence	Acc# AC005851 e, complete Probability
Protein name Description Arabidopsis that sequence. ORF Name 2845068_f3_56	Iliana chromosom	e II BAC AAID I	F24D13 c	Locus GP:ATAC Genomic AA Length	Mame C005851 Sequence	Acc# AC005851 e, complete Probability

ORF Name	NTID AAID	NT AA Score Probability
29476553_f1_6 Protein name	2833 8055	Locus Name Acc#
Description		
NO-HIT		
ORF Name	NTID AAID	NT AA Score Probability Length Length
29851437 <u>f2</u> 29	2834 8056	1308 101 1.1e-07
Protein name		Locus Name Acc#
cysteine proteinase	CP1	pir:S67481 S67481
Description		
ORF Name	NTID AAID	$rac{ ext{NT}}{ ext{Length}} rac{ ext{AA}}{ ext{Score}}$ Probability
3324133 <u>c1</u> 92	2835 8057	62 189
Protein name	,	Locus Name Acc#
Description		*
NO-HIT		
		NT AA Score Probability
ORF Name	NTID AAID	Length Length
33619587 <u></u> c196	2836 8058	250 755
Protein name		Locus Name Acc#
conserved hypotheti	cal protein	pir:B75483 B75483
Description		
		NT AA Score Probability Length Length
ORF Name	NTID AAID	<u>Length</u> <u>Length</u> 3.9e-47
3395627 <u></u> £2 <u></u> 37	2837 8059	Locus Name Acc#
<u>Protein name</u>		sp:ETFB_CLOAB P52040
Description		Sp. 1117_C3012
TRANSFER FLAVOPROT	EIN SMALL SUBUNIT)	(ETFSS)

		NT AA Score Prob	ability
ORF Name	NTID AAID	Length Length —	
34172130_f3_65	2838 8060	1348 4047 1255 1.	3e-170
Protein name		Locus Name	Acc#
		sp:BGAL_BACME	052847
Description			
BETA-GALACTOSID	ASE, (LACTASE)		
		NT AA Score Prob	ability
ORF Name	NTID AAID	Length Length	
35556713_c2_100	2839 8061	77 234	
Protein name		Locus Name	Acc#
Description			
NO-HIT			
		7.7	
ORF Name	NTID AAID	NT AA Score Prol	oability
ORF Name 3.6.226.538c3155		Length Length	oability .8e-18
		Length Length	
36226538 <u></u> c3 <u></u> 155		Length Length Score Production 1221 247 2	.8e-18
36226538 <u></u> c3 <u></u> 155		Length Length Score Production 1221 247 2 Locus Name	.8e-18
3.6.226.538c3155 Protein name Description	2840 8062	Length Length Score Production 1221 247 2 Locus Name	.8e-18 <u>Acc#</u>
3.6.226.538c3155 Protein name Description	2840 8062	Length Length Score Production 1221 247 2 Locus Name Sp:YEHU_ECOLI BGLX INTERGENIC REGION PRECUR	.8e-18 Acc#
3.6.226.538c3155 Protein name Description	2840 8062	Length Length Score Production 1221 247 2 Locus Name Sp:YEHU_ECOLI BGLX INTERGENIC REGION PRECUR	.8e-18 <u>Acc#</u>
Description HYPOTHETICAL 62	2.1 KD PROTEIN IN MOLR-	Length Length Score Production Production	.8e-18 Acc#
Description HYPOTHETICAL 62 ORF Name	2.1 KD PROTEIN IN MOLR-	Length Length Score Production Locus Name Locus Name Sp:YEHU_ECOLI BGLX INTERGENIC REGION PRECURATION Length Length Score Production Length Length Leng	Acc# SOR
Description HYPOTHETICAL 62 ORF Name 4020962_c2_103	2.1 KD PROTEIN IN MOLR-	Length Length Score Production 1221 247 2	Acc# SOR bability .00026
Description HYPOTHETICAL 62 ORF Name 4020962_c2_103	2.1 KD PROTEIN IN MOLR- NTID AAID 2841 8063	Length Length Score Production Production	Acc# SOR bability .00026 Acc#

ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
4475281_f1_14	2842	8064	587	.764	187	3.4e-11
Protein name				Locus	s Name	Acc#
unknown				gp:U96	771	U96771
Description						
Prevotella bryanti mannanase genes, co	i putative mplete cd	e polygala s; and unk	cturonase nowngenes	e,B-1,4-6	endogluca	anase, and
			NT	AA	Score	Probability
ORF Name	NTID	AAID	Length	Length	BCOTC	11000011101
6694586_c3_139	2843	8065	62	L89		
Protein name				Locu	s Name	Acc#
Description						
NO-HIT						
ORF Name 15633577f21 Protein name penicillin-binding Description Pseudomonas aerugi rod-shape-determini (mltB), rare lipopi lipoate biosynthesi	nosa stra	in PAO1 pe n (rodA),	enicillin membrane	gp:AF1 -binding -bound 1 inding p	protein ytictran rotein 5	(dacA), and
ORF Name 26595675_f3_5_ Protein name Description	NTID	<u>AAID</u> 8067	NT Length		Score 187 IS Name DA_HAEIN	Probability 2.3e-26 Acc# P44468
ROD SHAPE-DETERMI	NING PROTE	IN RODA				
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ORF Name	NTID AAID	NT AA Score Probability
14865875_£3_5	2846 8068	7.3e-78
Protein name		Locus Name Acc#
		sp:FEOB_METJA Q57986
Description		
FERROUS IRON TRANS	PORT PROTEIN B HOMO	LOG
		NT AA Score Probability
ORF Name	NTID AAID	Length Length
36382950_f2_3	2847 8069	94 285
Protein name		Locus Name Acc#
Description		
NO-HIT		
		NT AA Score Probability
ORF Name	NTID AAID	Length Length Score Probability
10.73.46.35£210	2848 8070	830 2493 1.0e-05
Protein name		Locus Name Acc#
unknown		gp:AF124349 AF124349
Description		
Zymomonas mobilis	ZM4 fosmid clone 4	1A4, complete sequence.
		NT AA Green Brobability
ORF Name	<u> </u>	Length Length Score Probability
10.740.952£13	2849 8071	247 744 121 2.1e-05
Protein name		Locus Name Acc#
		sp:PA1B_RAT 035264
Description		
ACTIVATING FACTOR	ACETYLHYDROLASE AL	PHA 2 SUBUNIT) (PAF-AH ALPHA 2)

	_		3.700	20.20			
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
24694837_f1_2	2850	8072	189	570			
Protein name				Locus	s Name	Acc#	
Description							
NO-HIT					· · · · · · · · · · · · · · · · · · ·		
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
3.42521.76 <u></u> c3 <u></u> 33	2851	8073	559	L680	567	9.4e-54	
Protein name			•	Locus	s Name	Acc#	
adenylate cyclase	homolog			pir:T1	7197	T17197	
Description					8		
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
34406517 <u></u> £3 <u></u> 16	2852	8074	1008	3027	822	6.9e-82	
Protein name				Locus	s Name	ACC#	
receptor antigen	(RagA)			gp:PGI	L30872	AJ130872	
Description	-					w. *	
Porphyromonas gin immunodominant 55k		receptor	antigen	(rag) lo	cus enco	odinga major	
				7.7			_
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
6257826 <u>f3</u> 12	2853	8075	311	36	113	0.012	
Protein name				Locus	Name	Acc#	
cyclic beta 1-2 g	Iucan synthe	etase		pir:T31	419	T31419	
Description							

		$\frac{\text{NT}}{\text{NT}}$ $\frac{\text{AA}}{\text{Score}}$	Probability
ORF Name	NTID AAID	Length Length	
11925285_f2_7	2854 8076	90 273 187	1.3e-14
Protein name		Locus Name	Acc#
		sp:Y328_SYNY3	Q55535
Description			
(EC 3.1.3.48)			
		NT AA	
ORF Name	NTID AAID	NT AA Score Length Length	Probability
11930451_f1_2	2855 8077	112 339 118	2.8e-07
Protein name		Locus Name	Acc#
		sp:Y328_SYNY3	Q55535
Description			 -
		*	
(EC 3.1.3.48)			
(EC 3.1.3.48)			
(EC 3.1.3.48) ORF Name	NTID AAID	NT AA Score Length Length	Probability
		— Score	Probability
ORF Name		Length Length	Probability Acc#
ORF Name 218.757.76c127 Protein name		Length Length Score	
ORF Name 218.757.76c127 Protein name Description		Length Length Score	
ORF Name 218.757.76c127 Protein name		Length Length Score	Acc#
ORF Name 218.75.7.76c127 Protein name Description NO-HIT	2856 8078	Length Length Core Locus Name NT AA Score	Acc#
ORF Name 21875776c127 Protein name Description NO-HIT ORF Name	2856 8078 NTID AAID	Length Length Core Locus Name NT AA Length Length Score	Acc#
ORF Name 218.75.7.76c127 Protein name Description NO-HIT	2856 8078 NTID AAID	Length Length Core Locus Name NT AA Length Length Score 192	Acc# Probability
ORF Name 21875776c127 Protein name Description NO-HIT ORF Name	2856 8078 NTID AAID	Length Length Core Locus Name NT AA Length Length Score	Acc#
ORF Name 21875776c127 Protein name Description NO-HIT ORF Name 237905t210	2856 8078 NTID AAID	Length Length Core Locus Name NT AA Length Length Score 192	Acc# Probability
ORF Name 218.75.7.76c12.7 Protein name Description NO-HIT ORF Name 23.79.05f210 Protein name	2856 8078 NTID AAID	Length Length Core Locus Name NT AA Length Length Score 192	Acc# Probability

ORF Name [24629781 ±1 1	NT AA Score Probability NTID AAID Length Length 2858 8080 494 1485	
Protein name	Locus Name Acc#	
Description		
NO-HIT		
	2.7	-
ORF Name	NT AA Score Probability NTID AAID Length Length	
25.958125 <u>f1</u> 5	2859 8081 392 1179 643 4.2e-84	
Protein name	Locus Name Acc#	
	sp:SYE_BACST P22249	
Description		
(GLURS)		
	NT AA Green Brobability	-
ORF Name	NTID AAID Length Length Probability	
9.76.56.5.7 <u></u> c2 <u></u> 3.6	2860 8082 704 2115 692 4.1e-68	
Protein name	Locus Name Acc#	
	sp:YQFF_BACSU	
Description		
HYPOTHETICAL 79	.2 KD PROTEIN IN PHOH-DGKA INTERGENIC REGION	ě
	77	_
ORF Name	$rac{ ext{NT}}{ ext{NTID}}$ $rac{ ext{AAID}}{ ext{AAID}}$ $rac{ ext{Length}}{ ext{Length}}$ $rac{ ext{Score}}{ ext{Core}}$	
11756330 <u></u> £1 <u></u> 2		
Protein name	Locus Name Acc#	
	sp:YEAQ_ECOLI P76246	
Description		
HYPOTHETICAL 8.		

		NT AA Score Probability	
ORF Name	NTID AAID	Length Length 4.5e-39	
12189053_f2_10	2862 8084	103 552	
Protein name		Locus Name Acc#	
30S ribosomal pr	otein S7	gp:AF087414 AF087414	
Description			
Haemophilus ducr protein S12, and factor G gene, pa	30S ribosomal protei	B (oapB), RfaF (rfaF), 30Sribosomal n S7 genes, completecds; and elongation	
ORF Name	NTID AAID	NT AA Score Probability Length Length	
192812_c1_28	2863 8085	161 486	
Protein name		Locus Name Acc#	
Description			_
NO-HIT			
· L.,			
ORF Name	NTID AAID	NT AA Score Probability	*
ORF Name 223.840.0c36.3		Score Probability	·
		Length Length Score Propability	¥
2238400 <u></u> c3 <u></u> 63	2864 8086	<u>Length</u> <u>Length</u> <u>Score</u> <u>Plobability</u>	3
2238400 <u></u> c3 <u></u> 63	2864 8086	Length Length Score Probability 147 444 147 1.9e-09 Locus Name Acc#	,
Protein name hypothetical pro	2864 8086 otein Jv0166c uberculosis H37Rv hyr	Length Length Score Probability 147 444 147 1.9e-09 Locus Name Acc#]
Protein name hypothetical pro Description Mycobacterium to mRNA, complete co	2864 8086 Stein Jv0166c Suberculosis H37Rv hyr	Length Length Score Probability 147 444 147 1.9e-09 Locus Name Acc# gp:AF121004 AF121004 sothetical protein Jv0166c(Jv0166c)	
Protein name hypothetical pro Description Mycobacterium to mRNA, complete co	2864 8086 Stein Jv0166c Suberculosis H37Rv hyrds. NTID AAID	Length Length Score Probability 147 444 147 1.9e-09 Locus Name Acc# gp:AF121004 AF121004 AF121004 AF121004	
Protein name hypothetical pro Description Mycobacterium to mRNA, complete co	2864 8086 Stein Jv0166c Suberculosis H37Rv hyrds. NTID AAID	Length Length Score Probability 147 444 147 1.9e-09 Locus Name Acc# gp:AF121004 AF121004 sothetical protein Jv0166c(Jv0166c) NT AA Score Probability Length Length 245 7.0e-20	
Protein name hypothetical pro Description Mycobacterium to mRNA, complete co	2864 8086 Stein Jv0166c Suberculosis H37Rv hyrds. NTID AAID	Length Length Score Probability 147 444 147 1.9e-09 Locus Name Acc# gp:AF121004 AF121004 sothetical protein Jv0166c(Jv0166c) NT AA Score Probability Length Length 245 7.0e-20 Locus Name Acc#	
Protein name hypothetical pro Description Mycobacterium to mRNA, complete co	2864 8086 Stein Jv0166c Suberculosis H37Rv hyrds. NTID AAID	Length Length Score Probability 147 444 147 1.9e-09 Locus Name Acc# gp:AF121004 AF121004 sothetical protein Jv0166c(Jv0166c) NT AA Score Probability Length Length 245 7.0e-20	
Protein name hypothetical production Description Mycobacterium tomRNA, complete c	2864 8086 Stein Jv0166c Suberculosis H37Rv hyrds. NTID AAID	Length Length Score Probability 147 444 147 1.9e-09 Locus Name Acc# sothetical protein Jv0166c (Jv0166c) NT AA Length Score Probability Length Length 245 7.0e-20 Locus Name Acc# Sp:YHA2_EIKCO P35649	

ORF Name	NTID	AAID	<u>NT</u> Length	AA Length	Score	Probability
22460877_f2_9	2866	8088	139 4	20	517	1.4e-49
Protein name				Locus	Name	Acc#
				sp:RS12	2_ANANI	P18662
Description						_
30S RIBOSOMAL PROTE	IN S12					
			NT	AA	Caoro	Probability
ORF Name	NTID	AAID	Length	Length	Score	Probability
24275036_c3_56	2867	8089	90 2	73		
Protein name				Locu	s Name	Acc#
Description						
NO-HIT						
			NUU	AA		
ORF Name	NTID	AAID	<u>NT</u> Length	<u>Length</u>	Score	Probability
24804717 <u></u> f1 <u></u> 4	2868	8090	709	2130	2946	0.0
Protein name				Locu	s Name	Acc#
EF-G			7	gp:AB0	35469	AB035469
Description						
Porphyromonas ging	ivalis gen	e for EF-	G, comple	ete cds,	strain:	SUNY1021.
			NT	AA		- 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
ORF Name	NTID	AAID	Length	Length	Score	Probability
2945300 <u></u> £1 <u></u> 5	. 2869	8091	105	318	326	2.5e-29
Protein name						
Procein name				Locu	ıs Name	Acc#
ribosomal protein S	510			Locu gp:AF1		Acc# AF115283
				gp:AF1	15283	AF115283

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	NT AA Score Probability
ORF Name NTID AAID	
34275250_f3_16 2870 8092	87 264 73 0.022
Protein name	Locus Name Acc#
D-29 protein	gp:GHLEA29 X13203
Description	
Cotton set 5A Lea gene for seed pro	otein D-29.
	NT AA Goorg Brobability
ORF Name NTID AAID	Score Flobability
4064027_c1_29 2871 8093	382 1149 128 1.0e-10
Protein name	Locus Name Acc#
hypothetical protein RP338	pir:D71690 D71690
Description	
ORF Name NTID AAII	NT AA Score Probability Length Length
ORF Name	
ORF Name	Length Length
4562800_f2_7	Length Length
4562800f27	Length Length 1437 4314 4541 0.0
4562800_f2_7	Length Length 1437 4314 4541 0.0
#562800f27	Length Length
#562800f27	Length Length 1437 4314 4541 0.0 Locus Name Acc# Sp:RPOC_PORCN 033431 SUBUNIT) (FRAGMENT) NT AA Score Probability
#562800f27	Length Length 1437 4314 4541 0.0 Locus Name Acc# Sp:RPOC_PORCN 033431 SUBUNIT) (FRAGMENT) NT AA Score Probability
#562800_f2_7	Length Length Locus Name Locus Name Sp:RPOC_PORCN Sp:RPOC_PORCN O33431 SUBUNIT) (FRAGMENT) NT AA Length Length Score Probability
#562800f27	Length Length Locus Name Locus Name Sp:RPOC_PORCN O33431 SUBUNIT) (FRAGMENT) NT AA Length Length Length Length 110 333
#562800f27	Length Length Locus Name Locus Name Sp:RPOC_PORCN O33431 SUBUNIT) (FRAGMENT) NT AA Length Length Length Length 110 333

ORF Name	NTID AAID	NT Length L	AA ength Score	Probability
4881260_f1_6	2874 8096	125 378	293	7.9e-26
Protein name			Locus Name	Acc#
		[sp:RL3_THETH	P52860
Description		_		
50S RIBOSOMAL PROT	TEIN L3			
		NT	AA Grana	Probability
ORF Name	NTID AAID		ength Score	Probability
501401_c1_21	2875 8097	64 19	109	3.2e-05
Protein name			Locus Name	Acc#
			sp:YHA2_EIKCO	P35649
Description		•	-	
HYPOTHETICAL 66.3	KD PROTEIN IN HAG2	5'REGION		
		NT	AA	
ORF Name	NTID AAID	<u>NT</u> Length I	AA Score Length	Probability
ORF Name 6.6.6.0.25f312			Length Score	Probability 2.6e-89
		Length I	Length Score	
666025f312 Protein name		Length I	Length Score 1 892	2.6e-89
666025f312 Protein name	2876 8098	Length I	Locus Name	2.6e-89 <u>Acc#</u>
Protein name DNA-dependent RNA Description	2876 8098	Length I	Locus Name gp:LMY16468	2.6e-89 <u>Acc#</u> Y16468
Protein name DNA-dependent RNA Description	polymerase subunit	Length I 276 83 beta gene and pa	Length Score 1 892 Locus Name gp:LMY16468 rtial rpoB general	2.6e-89 Acc# Y16468
Protein name DNA-dependent RNA Description	polymerase subunit	Length I 276 83 beta gene and pa	Locus Name gp:LMY16468	2.6e-89 <u>Acc#</u> Y16468
Protein name DNA-dependent RNA Description Listeria monocyto	polymerase subunit	Length I 276 83 beta gene and pa	Length Score 1 892 Locus Name Gp:LMY16468 rtial rpoB genum AA Length Score	2.6e-89 Acc# Y16468
Protein name DNA-dependent RNA Description Listeria monocyto ORF Name	polymerase subunit	Length I 276 83 beta gene and pa NT Length	Length Score 1 892 Locus Name Gp:LMY16468 rtial rpoB genum AA Length Score	Acc# Y16468 e. Probability
Protein name DNA-dependent RNA Description Listeria monocyto ORF Name	polymerase subunit	Length I 276 83 beta gene and pa NT Length	Length Score 1 892 Locus Name Sp:LMY16468 rtial rpoB gen AA Length Score 245	2.6e-89 Acc# Y16468 e. Probability 7.0e-20
Protein name DNA-dependent RNA Description Listeria monocyto ORF Name	polymerase subunit	Length I 276 83 beta gene and pa NT Length	Length Score Regel Locus Name Gp:LMY16468 Ttial rpoB gen AA Length Score Locus Name	2.6e-89 Acc# Y16468 e. Probability 7.0e-20 Acc#

ORF Name 11027152_c1_174 Protein name hypothetical protection		AAID B100	95 288	AA Scorngth Scorngth Locus Nation: C71234	me	1.4e-05 Acc# C71234]
ORF Name 1180311t279 Protein name	NTID 2879	AAID 8101	132 399	ength	me	7.5e-05 Acc# P42594	
Description HYPOTHETICAL 15.0	KD PROTEIN	IN EBGC-	UXAA INTERG	ENIC REGI	ON		
ORF Name	NTID	AAID	NT	AA ength	ore I	Probability	
Protein name Description DEHYDROGENASE) (I		8102	495 148		ıme	5.8e-156 <u>Acc#</u> 067820	

ORF Name NTID AAID Length Length Length Protein name Locus Name Acc# hypothetical protein APE1598 pir:A72539 A72539 Description NTID AAID Length Length Score Probability CRF Name NTID AAID Length Length Leous Name Acc# Protein name NTID AAID Length Length Score Probability NO-HIT NTID AAID Length Length Score Probability Protein name NTID AAID Length Length Acc# Protein name NTID AAID Length Length Probability NC-HIT NTID AAID Length Length Probability NC-HIT NTID AAID Length Length Acc# Description NO-HIT AAID Length Length Probability ORF Name NTID AAID			NT AA Score	Probability
Protein name	ORF Name			T 10 033
hypothetical protein APE1598 pir:A72539 A72539	13757180_f3_171	2882 8104		
Description	Protein name			
NT	hypothetical prote	ein APE1598	pir:A72539	A72539
ORF Name NTID AAID Length Length Length Foliability Protein name Locus Name Acc# Description NO-HIT ORF Name NTID AAID NTID Length Length Score Probability L48506.37_c1_200 2884 8106 87 264 Acc# Protein name Locus Name Acc# Description NO-HIT AAID Length Length Length Probability Protein name NTID AAID Length Length Acc# Acc# Description NO-HIT AAID Length Length Acc# Acc# ORF Name NTID AAID Length Length Score Probability Protein name NTID AAID Length Length Acc# Description Locus Name Acc# Acc# Acc#	Description			
NTID AAID Length Length Length	1		NT AA Score	Probability
Protein name Locus Name Acc#	ORF Name	NTID AAID	Length Length	110000111109
Description	13.798132 <u>f2</u> 69	2883 8105	68 207	
NO-HIT	Protein name		Locus Name	Acc#
ORF Name NTID AAID Length Length Score Probability 13890637_c1_200 2884 8106 87 264	Description			
NTID AAID Length Lengt	NO-HIT	,		-
NTID AAID Length Lengt			NT AA	
Protein name Locus Name Acc#	ORF Name	NTID AAID	<u> </u>	<u>Probability</u>
Description	14890637 <u>c1</u> 200	2884 8106	87 264	
NO-HIT NTID AAID NTID AAID Length Length Score Probability 14890637_c1_202 2885 8107 89 270	Protein name		Locus Name	Acc#
NO-HIT NTID AAID NTID AAID Length Length Score Probability 14890637_c1_202 2885 8107 89 270	Description			
ORF Name NTID AAID Length Length Score Probability 14890637_c1_202 2885 8107 89 270				-
ORF Name NTID AAID Length Length Score Probability 148.906.37_c1_202 2885 8107 89 270 Protein name Locus Name Acc# Description NO-HIT AA Score Probability ORF Name NTID AAID Length Length Score Probability 15117.081_c1_182 2886 8108 259 780 Tocus Name Acc# Description Description Acc# Acc# Acc# Acc#	NO-HII			
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NO-HIT NT AA Score Probability 0RF Name NTID AAID Length Length Probability 15117081c1182				4
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ORF Name NTID AAID Length Length Score Probability 16445385_C3_248 2887 8109 102 309 Protein name Locus Name Acc#	
Description NO-HIT NT AA AA Score Probability ORF Name NTID AAID Length Length Score Probability 16.6.1.7.8.12c1172]
Description NT AA Score Probability ORF Name NTID AAID Length Length 1723 2.3e-177 Protein name Locus Name Acc# hypothetical protein pir:JQ1020 JQ1020	
ORF Name NTID AAID Length Length Score Probability 16.8.3.5.9.6.2	
ORF Name NTID AAID NT Length AA Length Score Probability 16.83.90.02_c1_181	

ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
19537662_c3_251	2892	8114	398 1	197		
Protein name			<u> </u>	Locus	Name	Acc#
Description NO. WITE						
NO-HIT						
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
19725256 <u></u> c1 <u></u> 192	2893	8115	424 1	.275		
Protein name				Locus	Name	Acc#
Description						
NO-HIT						
			NT	AA		- 1 11711
ORF Name	NTID	AAID	Length	Length	Score	Probability
20007287 <u></u> c3 <u></u> 234	2894	8116	312	939	677	1.6e-66
Protein name				Locus	Name	Acc#
				sp:ERA	BACSU	P42182
Description						
GTP-BINDING PROTEI	N ERA HOMO	LOG (BEX	PROTEIN)		м	
	*					
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ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
ORF Name 20527135_cl_199	NTID		<u>NT</u> Length		Score 273	Probability 3.1e-22
	NTID	AAID	<u>NT</u> Length	Length		
20.527135 <u></u> c1 <u></u> 199	NTID 2895 accharide	<u>AAID</u> 8117	<u>NT</u> Length	Length	273 s Name	3.1e-22

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ORF Name	NTID	AAID	Length	Length	Score	Probability	
20579552_c3_261	2896	8118	495	488	172	2.1e-10	
Protein name				Locus	Name	Acc#	
				sp:Y907	_ME'TJA	Q58317	
Description							
HYPOTHETICAL PROT	EIN MJ0907						
		· · · · · · · · · · · · · · · · · · ·	NT	AA	0	Probability	
ORF Name	NTID	AAID	Length	Length	Score	Probability	
21490762_c1_191	2897	8119	413	1242			
Protein name				Locus	Name	Acc#	
Description							
NO-HIT							
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			MT	ΔΔ			÷.
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
ORF Name 2247.5317f116		<u>AAID</u> 8120	Length		Score	Probability	· ·
			Length	Length	Score S Name	Probability Acc#	
22475317 <u>_f1</u> _16			Length	Length			
22475317_f1_16 Protein name			Length	Length			
Protein name Description			Length	Length 237 Locus		Acc#	
Protein name Description			Length	Length			
Protein name Description NO-HIT		8120	Length 78 NT Length	Length Locus	s Name	Acc#	
Protein name Description NO-HIT ORF Name		8120	Length 78 NT Length	Length Locus AA Length	s Name	Acc#	
Protein name Description NO-HIT ORF Name 226.970.55_c2_218		8120	Length 78 NT Length	Length Locus AA Length	s Name	Acc# Probability	
Protein name Description NO-HIT ORF Name 226.97.055c2218		8120	Length 78 NT Length	Length Locus AA Length	s Name	Acc# Probability	

			$\overline{\text{NT}}$	\underline{AA}	Score	Probability
ORF Name	NTID	AAID	Length	<u>Length</u>		
22833311_c3_258	2900	3122	214	45		
Protein name				Locus	Name	Acc#
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Description						
NO-HIT	×					
		- 1	NT	AA	Caoro	Probability
ORF Name	NTID	AAID	Length	Length	Score	FIODADIIICY
22860128 <u></u> c2 <u></u> 225	2901	8123	83	252	64	0.031
Protein name				Locus	Name	Acc#
-				sp:SPRC	XENLA	P36378
Description						
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(00220000000000000000000000000000000000			NT	AA	Score	Probability
ORF Name	NTID	AAID			Score	Probability
	NTID		<u>NT</u> Length	AA	Score	Probability
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score S Name	Probability Acc#
ORF Name 23448251_f1_37 Protein name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	. 1	
ORF Name 23448251_f1_37 Protein name Description	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	. 1	
ORF Name 23448251_f1_37 Protein name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	. 1	
ORF Name 23448251_f1_37 Protein name Description	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	s Name	Acc#
ORF Name 23448251_f1_37 Protein name Description	NTID	AAID	NT Length 571	AA Length 1716 Locus	. 1	
ORF Name 23448251_f1_37 Protein name Description NO-HIT	NTID 2902	<u>AAID</u> 8124	NT Length 571 NT Length	AA Length 1716 Locus	s Name	Acc#
ORF Name 23448251_f1_37 Protein name Description NO-HIT ORF Name	NTID 2902	AAID AAID	NT Length 571	AA Length AA Locus AA Length	s Name	Acc#
ORF Name 23448251_f1_37 Protein name Description NO-HIT ORF Name 23626500_c2_211 Protein name	NTID 2902	AAID AAID	NT Length 571	AA Length AA Locus AA Length	Score	Acc# Probability
ORF Name 23448251_f1_37 Protein name Description NO-HIT ORF Name 23626500_c2_211	NTID 2902	AAID AAID	NT Length 571	AA Length AA Locus AA Length	Score	Acc# Probability

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ORF Name	NTID	AAID	Length —	<u>Length</u>			
24252127_c3_255	2904 81	.26	458	377			
Protein name				Locus	Name	Acc#	
Description							
NO-HIT		2					
			NT	AA			
ORF Name	NTID	AAID	Length	Length	Score	Probability	
24407802 <u></u> c1198	2905 81	L27	264 7	95			
Protein name				Locus	Name	Acc#	
Description							
NO-HIT							
			NT	AA		Dunkahiliter	
ORF Name	NTID	AAID	Length	Length	Score	Probability	
24500762 <u></u> c2 <u></u> 228	2906 8.	128	203 6	12	. 1.5		
Protein name	-			Locus	Name	Acc#	
Description							
NO-HIT					1	1	
			NT	AA		m 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	
ORF Name	NTID	AAID	Length	Length	Score	Probability	_
24509632_c1_173	2907 8	129	438 1	.317	978	2.0e-98	
Protein name				Locus	Name	Acc#	
				sp:YPH0	C_BACSU	P50743	
Description							
REGION							

ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
24642262_c3_247	2908	8130	519	1560	133	8.0e-06	
Protein name				Locus	s Name	Acc#	
				sp:PRS	A_BACSU	P24327	
Description							
PROTEIN EXPORT PROT	EIN PRSA	PRECURSOR			<u></u>		
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
24651442_c1_197	2909	8131	627	1884	121	0.00098	
Protein name				Locus	s Name	Acc#	
MAR binding filamer protein	t-like pr	otein 1:M	FP1	pir:T0	7111	T07111	
Description			*	1			
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
25391905 <u></u> c1 <u></u> 184	2910	8132	571	716			ç
Protein name				Locus	Name	Acc#	
Description							
NO-HIT					2		
			NTT	22			
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
25781265 <u></u> c3 <u></u> 256	2911	8133	107	324		× 1	
Protein name				Locus	s Name	Acc#	
Description							
NO-HIT					*		

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2597687_f1_26	ORF Name	NTID AAID Length Length Score Probability
Protein name Locus Name Acc#		
Description NO-HIT		
ORF Name NTID AAID Length Length Score Probability 26289002_c3_233	6	
ORF Name NTID AAID Length Length Score Probability 26.2830.02_G3_233 2913 8135 339 1020 698 9.5e-69 Protein name Locus Name Acc# synthase III pir:F70394 F70394 Description NTID AAID Length Score Probability ORF Name NTID AAID Length Length Score Probability Protein name Locus Name Acc# RNA-binding protein gp:SYORBPA L48548 Description Synechococcus sp. PCC 7942 RNA-binding protein (rbpA) gene, complete cds. ORF Name NTID AAID Length Score Probability Protein name Length Length Score Probability Protein name Locus Name Acc# Protein name Locus Name Acc#	Description	
ORF Name NTID AAID Length Length Length Frobability 26289002_c3_233	NO-HIT	
Protein name Locus Name Acc# synthase III p1r:F70394 F70394 Description NTID AAID Length Score Probability 265955_t1_52 2914 B136 130 393 221 3.3e-18 Protein name Locus Name Acc# RNA-binding protein gp:SYORBPA L48548 Description Synechococcus sp. PCC 7942 RNA-binding protein (rbpA) gene, complete cds. ORF Name NTID AAID Length Length Probability 27137_c2_226 2915 8137 62 189 Protein name Locus Name Acc# Description	ORF Name	Score Probability
Synthase III	26289002 <u></u> c3 <u></u> 233	2913 8135 339 1020 698 9.5e-69
Description	Protein name	Locus Name Acc#
ORF Name NTID AAID Length Length Score Probability 265955_t1_52	synthase III	pir:F70394 F70394
ORF Name NTID AAID Length Length Score Probability 265955_fl_52 2914 8136 130 393 221 3.3e-18 Protein name Locus Name Acc# RNA-binding protein gp:SYORBPA L48548 Description Synechococcus sp. PCC 7942 RNA-binding protein (rbpA) gene, complete cds. ORF Name NTID AAID Length Length Score Probability 2713.7_c2_226 2915 8137 62 189 Protein name Locus Name Acc# Description	Description	
ORF Name NTID AAID Length Length Score Probability 265955_fl_52 2914 8136 130 393 221 3.3e-18 Protein name Locus Name Acc# RNA-binding protein gp:SYORBPA L48548 Description Synechococcus sp. PCC 7942 RNA-binding protein (rbpA) gene, complete cds. ORF Name NTID AAID Length Length Score Probability 2713.7_c2_226 2915 8137 62 189 Protein name Locus Name Acc# Description		NIT AA
Protein name Locus Name Acc# RNA-binding protein gp:SYORBPA L48548 Description Synechococcus sp. PCC 7942 RNA-binding protein (rbpA) gene, complete cds. ORF Name NTID AAID Length Score Probability 27137c2226	ORF Name	Score Probability
RNA-binding protein Description Synechococcus sp. PCC 7942 RNA-binding protein (rbpA) gene, complete cds. ORF Name NTID AAID Length Length Length Protein name Description Locus Name Acc# Description	265955 <u></u> t1 <u></u> 52	2914 8136 130 393 221 3.3e-18
Description Synechococcus sp. PCC 7942 RNA-binding protein (rbpA) gene, complete cds. ORF Name NTID AAID Length Length Length Protein name Locus Name Acc# Description	Protein name	Locus Name Acc#
Synechococcus sp. PCC 7942 RNA-binding protein (rbpA) gene, complete cds. NT AA Score Probability	RNA-binding prote	gp:SYORBPA L48548
ORF Name NTID AAID Length Length Score Probability 27.13.7c2226	Description	
ORF Name NTID AAID Length Length Score Probability 2713.7c2226	Synechococcus sp	. PCC 7942 RNA-binding protein (rbpA) gene, complete cds.
ORF Name NTID AAID Length Length 27137_c2_226 2915 8137 62 189 Protein name Locus Name Acc# Description		NT AA Goove Brobability
Protein name Locus Name Acc# Description	ORF Name	
Description	27137 <u>_c2</u> _226	2915 8137 62 189
	Protein name	Locus Name Acc#
	Description	

		$\underline{\text{NT}}$ $\underline{\underline{\text{AA}}}$	Score Probability
ORF Name	NTID AAID	Length Length	
30120936_c3_240	2916 8138	257 774	933 1.2e-93
Protein name		Locus	Name Acc#
		gp:PGPC	X97228
Description			
P.gingivalis gpdx	, put, and yhbG-pg	genes.	
		NTT 7.7	
ORF Name	NTID AAID	<u>NT</u> <u>AA</u> Length Length	Score Probability
31447126_c1_203	2917 8139	224 675	1.9e-25
Protein name		Locus	Name Acc#
CMP-N-acetylneuran	ninic acid synthetas	gp:MMU	AJ006215
Description			. %
Mus musculus mRNA	for CMP-N-acetylne	raminic acid synt	thetase.
Mus musculus mRNA	for CMP-N-acetylne		
Mus musculus mRNA ORF Name	for CMP-N-acetylner NTID AAID	nraminic acid synt NT AA Length Length	Score Probability
1	NTID AAID	NT AA	
ORF Name	NTID AAID	NT AA Length Length 455 1368	Score Probability
ORF Name 33640927c1177	NTID AAID	NT AA Length Length 455 1368	Score Probability 205 1.8e-13 s Name Acc#
ORF Name 33640927c1177	NTID AAID	NT AA Length Length 455 1368 Locu	Score Probability 205 1.8e-13 s Name Acc#
ORF Name 33640927c1177 Protein name trigger factor	NTID AAID	NT AA Length Length 455 1368 Locu	Score Probability 205 1.8e-13 s Name Acc#
ORF Name 33640927_c1_177 Protein name trigger factor Description	NTID AAID	NT AA Length Length 455 1368 Locu	Score Probability 205 1.8e-13 s Name Acc#
ORF Name 33640927c1177 Protein name trigger factor Description ORF Name	NTID AAID 2918 8140 NTID AAID	NT AA Length Length 455 1368 Locu pir:C7	Score Probability 205 1.8e-13 s Name Acc# 0416 C70416
ORF Name 33640927c1177 Protein name trigger factor Description ORF Name 34081405c3231	NTID AAID 2918 8140 NTID AAID	NT AA Length Length 455 1368 Locu pir:C7 NT AA Length Length	Score Probability 205 1.8e-13 s Name Acc# 0416 C70416 Score Probability 110 1.9e-06
ORF Name 33640927_c1_177 Protein name trigger factor Description ORF Name 34081405_c3_231 Protein name	NTID AAID 2918 8140 NTID AAID AAID 2919 8141	NT AA Length Length 455 1368 Locu pir:C7 NT AA Length Length Length 88 267 Locu	Score Probability 205 1.8e-13 S Name Acc# 0416 C70416 Score Probability 110 1.9e-06 S Name Acc#
ORF Name 33640927c1177 Protein name trigger factor Description ORF Name 34081405c3231	NTID AAID 2918 8140 NTID AAID AAID 2919 8141	NT AA Length Length 455 1368 Locu pir:C7 NT AA Length Length	Score Probability 205 1.8e-13 S Name Acc# 0416 C70416 Score Probability 110 1.9e-06 S Name Acc#

ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
34165705_f2_114 Protein name	2920	8142	80	Locus	s Name	Acc#	
Description							
110 1122							
ORF Name	NTID	AAID	<u>NT</u> Length	AA Length	Score	Probability	
3.440.6.640 <u>f3</u> 134	2921	8143	96	291	127	3.1e-08	
Protein name		*		Locus	s Name	Acc#	
				sp:YGJI	_ECOLI	P42595	
Description					*		
HYPOTHETICAL 12.1	KD PROTEIN	IN EBGC-	ITNI AAXU	ERGENIC I	REGION	ÿ. •	
		<u></u>	NT	AA	0	Drochobility	
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
ORF Name 3.5343.757f2104		<u>AAID</u>	Length		Score	Probability 8.7e-43	
			Length	Length			
35343757 <u>f2104</u>	2922 eotide trans	8144	Length	Length	453 s Name	8.7e-43	
35343757_f2_104 Protein name probable ribonucle	2922 eotide trans	8144	Length	Length 783 Locus	453 s Name	8.7e-43 Acc#	
Protein name probable ribonucle protein mkl (mkl)	2922 eotide trans	8144	Length	Length 783 Locus	453 s Name	8.7e-43 Acc#	
Protein name probable ribonucle protein mkl (mkl)	2922 eotide trans	8144	Length	Length 783 Locus	453 s Name	8.7e-43 Acc#	
Protein name probable ribonucle protein mkl (mkl) I Description	eotide trans RP097	8144	Length 260 -binding NT Length	Length 783 Locus pir:H7	453 s Name 1718	8.7e-43 Acc# H71718	
Protein name probable ribonucle protein mkl (mkl) Description ORF Name	eotide trans RP097	8144 port ATP	Length 260 binding NT Length	Length Locus Locus Pir:H7 AA Length	453 S Name 1718 Score	8.7e-43 Acc# H71718 Probability	
Protein name Probable ribonucle protein mkl (mkl) Description ORF Name 35661528_t1_47	eotide trans RP097 NTID 2923	8144 port ATP	Length 260 binding NT Length	Length Locus Locus Pir:H7 AA Length	453 S Name 1718 Score 119 S Name	8.7e-43 Acc# H71718 Probability 2.7e-07	
Protein name Protein name probable ribonucle protein mkl (mkl) Description ORF Name 35661528_f1_47	eotide trans RP097 NTID 2923	8144 port ATP	Length 260 binding NT Length	Length Locus Locus AA Length 255 Locus	453 S Name 1718 Score 119 S Name	8.7e-43 Acc# H71718 Probability 2.7e-07 Acc#	

ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
3929055 c3 260	2924	8146	410	1233			
Protein name					Name	Acc#	
				<u> 1000.0</u>		<u></u>	
Description							_
NO-HIT							
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
40.73.56.7c2229	2925	8147	403	1212			
Protein name		;		Locus	Name	Acc#	
Description							
NO-HIT							
	MUTIO	מאת	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
ORF Name	NTID	AAID			72	0.020	
4100002_c1_201	2926	8148	83	252			
Protein name				*	Name	<u>Acc#</u>	
		·		sp:MT1	MYTED	P80248	
Description						-	
METALLOTHIONEIN 10-	·III (MT-1	.0-III)					
	<u> </u>		NT	AA	Score	Probability	
ORF Name	NTID	AAID	Length	Length		·	
4178555 <u>c1</u> 193	2927	8149	167	504			
Protein name				_		- "	
				Locus	3 Name	Acc#	
Description				Locus	s Name	Acc#	

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42700_c1_195 2928 8150 268 807 Protein name Locus Name Acc#
Description
NO-HIT
4490938_c2_215
Protein name Locus Name Acc#
ClpX protein gp:BSCLPXGEN X95306
Description
B.subtilis clpX gene.
NT AA Score Probability
ORF Name NTID AAID Length Length
48.7.76c32422930 8152 246 741 585 9.0e-57
Protein name Locus Name Acc#
ATP-dependent protease proteolytic subunit gp:AF127082 AF127082
Description
Myxococcus xanthus ATP-dependent protease proteolytic subunit ClpP(clpP), ATP-dependent protease ATPase subunit ClpX (clpX), prolylendopeptidase precursor Pep (pep), ATP-dependent protease LonV(lonV), oligopeptide permease homolog OppA (oppA), oligopeptidepermease homolog OppB (oppB), and oligopeptide permease homologOppC (oppC) genes, complete cds.
ORE Name NTID AAID Length Length Score Probability
4882801_c2_227
Protein name Locus Name Acc#
Description
NO-HIT

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ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
4957677_c1_183	2932	8154	459	380	252	5.2e-19	
Protein name					Name	Acc#	
Description				sp:SURA			

SURA), (PPIASE) (ROTAMASE C)						_
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
6695412_f3_159	2933	8155	323	972	333	4.5e-30	l
Protein name				Locus	3 Name	Acc#	
conserved hypothe	tical prote	in aq_355	-	pir:E70)331	E70331	
Description							
ORF Name	NTID	AAID	NT Length	<u>AA</u> Length	Score	Probability	
ORF Name 6.7.5.7.7.5.7		<u>AAID</u>	Length		Score 838	Probability]
			Length	Length	-]
6.7.5.7.7.5.7. <u></u> .c3 <u></u> 24.9			Length	Length 1905 Locus	838	1.4e-83]
6.7.5.7.7.5.7. <u></u> .c3 <u></u> 24.9			Length	Length 1905 Locus	838 S Name	1.4e-83 <u>Acc#</u>]
6.7.5.7.7.5.7c3249 Protein name	2934	8156	Length	Length 1905 Locus	838 S Name	1.4e-83 <u>Acc#</u>	
Protein name Description	2934	8156	Length	Length 1905 Locus	838 S Name L_BACSU	1.4e-83 Acc# P49850) ·
Protein name Description	2934	8156	Length	Length 1905 Locus sp:MUT	838 S Name	1.4e-83 <u>Acc#</u>	
Protein name Description DNA MISMATCH REPA	2934 AIR PROTEIN NTID	8156	Length 634 NT Length	Length Locus Sp:MUT	838 S Name L_BACSU	1.4e-83 Acc# P49850	
Protein name Description DNA MISMATCH REPA	2934 AIR PROTEIN NTID	8156 MUTL AAID	Length 634 NT Length	Length Locus Sp:MUT AA Length	838 S Name L_BACSU Score	Acc# P49850 Probability] ×
Protein name Description DNA MISMATCH REPA	2934 AIR PROTEIN NTID	8156 MUTL AAID	Length 634 NT Length	Length Locus Sp:MUT AA Length	838 S Name L BACSU Score 268 S Name	1.4e-83 <u>Acc#</u> P49850 Probability 3.5e-23]

ORF Name	NTID AAID	NT AA Score	Probability
818785_c3_262 Protein name	2936 8158	Locus Name	Acc#
Description			
ORF Name	NTID AAID	NT AA Score	Probability
130278_c3_244	. 2937 8159	539 1620 1138	2.3e-115
Protein name		Locus Name	Acc#
phosphoribosylamino formyltransferase	oimidazolecarboxamio	de pir:C70468	C70468
Description			
		2.7	
ORF Name	NTID AAID	NT AA Length Length Score	Probability
13688436c1177	. 2938 8160	127 384 171	6.7e-13
<u>Protein name</u>		Locus Name	Acc#
YHCF		gp:AB024564	AB024564
Description			
Bacillus haloduran	s gene for TNPA, ER	MK, YCBJ, YHCG, YHCF and	YHCE, complete
3.0		NT AA Grand	Drobobility
ORF Name	NTID AAID	Length Length Score	Probability
14570812 <u></u> c1175	. 2939 8161	220 663 94	0.0032
Protein name		Locus Name	Acc#
		sp:EXB1_XANCP	034259
Description			
BIOPOLYMER TRANSPO	RT EXBD1 PROTEIN		*

ORF Name	NTID AAID	NT AA Length Length	Score Probability 895 1.3e-89
15714000_f2_81	8162	473 1422	
Protein name		Locu	s Name Acc#
		gp:BNR	RTEAB
Description			
Bacteroides thetaiot	aomicron rteA and	rtaB genes invo	lved inproduction of
plasmid-like forms, co	omplete cds, and	tetQ gene, 3'end	
		NT AA	
ORF Name	NTID AAID	Length Length	Score Probability
16832885_f1_22	2941 8163	1296	1723 2.3e-177
Protein name		Loci	as Name Acc#
hypothetical protein		pir:J(JQ1020
Description			
ORF Name	NTID AAID	NT AA Length Length	Score Probability
17079008 <u>c1</u> 179	2942 8164	288 867	162 3.5e-10
Protein name		Loci	ıs Name Acc#
unknown		gp:AF	062647 AF062647
Description			
Describeron			
Butyrivibrio fibriso	lvens butyrivibri	ocin OR79 (bvi7	gene,complete cds;
	lvens butyrivibri	ocin OR79 (bvi7	gene,complete cds;
Butyrivibrio fibriso		NT AA	Score Probability
Butyrivibrio fibriso	olvens butyrivibri NTID AAID	<u>NT</u> <u>AA</u> Length Length	Score Probability
Butyrivibrio fibriso and unknown genes. ORF Name		NT AA	Score Probability
Butyrivibrio fibriso and unknown genes. ORF Name	NTID AAID	NT AA Length Length 513	Score Probability
Butyrivibrio fibriso and unknown genes. ORF Name 19570256	NTID AAID	NT AA Length Length 513	Score Probability

ORF Name	NTID A	NT AID Lengt	<u>AA</u> h <u>Length</u>	Score	Probability	
195812_c1_178	2944 8166	269	810	75	0.048	
Protein name			Locus	Name	Acc#	
			gp:YSCMI	RF21		
Description						
Yeast (S.uvarum) m	itochondria RF:	2 gene, seg	ment 1.]
		NT	AA	Scoro	Probability	
ORF Name	NTID A	AID Lengt	h Length	Score	PIODADITICY	
22860128_f2_77	2945 816	7 83	252	64	0.031	
Protein name			Locus	Name	Acc#	
			sp:SPRC_	_XENLA	P36378	
Description						
						_
(OSTEONECTIN) (ON)	(BASEMENT MEM	BRANE PROTE	IN BM-40)			
(OSTEONECTIN) (ON)	(BASEMENT MEM	BRANE PROTE	IN BM-40)	Caoro	Drobability	
ORF Name			AA	Score	Probability	
	NTID A	<u>NT</u> AID Lengt	AA ch Length	Score	Probability	
ORF Name	NTID A	<u>NT</u> AID Lengt	AA ch Length	105		
ORF Name 2350306t3169	NTID <u>A</u> 2946 816	<u>NT</u> AID Lengt	AA th Length	105 Name	6.6e-06	
ORF Name 2350306f3169 Protein name	NTID <u>A</u> 2946 816	<u>NT</u> AID Lengt	AA Length	105 Name	6.6e-06 <u>Acc#</u>	
ORF Name 2350306t3169 Protein name hypothetical prote	NTID <u>A</u> 2946 816	AID Lengt	AA Length 303 Locus pir:G712	105 Name	6.6e-06 <u>Acc#</u> G71244	*
ORF Name 2350306t3169 Protein name hypothetical prote	NTID A 2946 816 ein PH0217	<u>NT</u> AID Lengt	AA Length 303 Locus pir:G712	105 Name	6.6e-06 <u>Acc#</u>	
ORF Name 2350306f3169 Protein name hypothetical prote Description	NTID A 2946 816 ein PH0217	AID Lengt NT NT NT AID Lengt	AA Length Locus pir:G712 AA Length	105 <u>Name</u> 244	6.6e-06 <u>Acc#</u> G71244	
ORF Name 2350306t3169 Protein name hypothetical prote Description ORF Name	NTID A 2946 816 ein PH0217	AID Lengt NT NT NT AID Lengt	AA Length Locus pir:G712 AA Length	105 Name 244 Score	G.6e-06 Acc# G71244 Probability	
ORF Name 2350306t3169 Protein name hypothetical prote Description ORF Name 23625127c1173	NTID A 2946 816 ein PH0217	AID Lengt NT NT NT AID Lengt	AA Length AA Locus AA Locus AA Length	Name Score 197 Name	G.6e-06 Acc# G71244 Probability 1.2e-15	
ORF Name 2350306t3169 Protein name hypothetical protein Description ORF Name 23625127c1173 Protein name	NTID A 2946 816 ein PH0217	AID Lengt NT NT NT AID Lengt	AA Length AA Locus AA Locus AA Length AA Length 852 Locus	Name Score 197 Name	6.6e-06 Acc# G71244 Probability 1.2e-15 Acc#	

ORF Name	NTID AAID	NT AA Score Probability Length Length
23870287_£3_126	2948 8170	65 198
Protein name	J 1	Locus Name Acc#
Description		
NO-HIT		
		NT AA Ggoro Probability
ORF Name	NTID AAID	Length Length Score Flobability
23944506 <u>_</u> ±1 <u>_</u> 45	. 2949 8171	64 195 106 5.1e-06
Protein name		Locus Name Acc#
hypothetical prote	in PH0219	pir:A71245 A71245
Description		
		NT AA Grana Probability
ORF Name	NTID AAID	Score Probability
24015950 <u></u> c2 <u></u> 208	2950 8172	792 2379 107 0.00022
Protein name		Locus Name Acc#
outer membrane pro	tein Omp85	gp:AF021245 AF021245
Description		
Neisseria meningit	idis outer membra	ne protein Omp85 (omp85) gene,complete
		NT AA Green Probability
ORF Name	NTID AAID	Score Flobability
242296.77 <u></u> c3238	2951 8173	283 852 388 6.7e-36
Protein name		Locus Name Acc#
NorM		gp:AB010463 AB010463
Description		
Vibrio parahaemol	yticus gene for No	orM, complete cds.

ORF Name NTID AAID Length Length Score Probability 24484666_c2_215 2952 8174 347 1044 761 2.0e-75 Protein name Locus Name Acc# rod shape determining protein MreB pir:B70373 B70373 Description
ORF Name NTID AAID Length Length Score Probability 2448.78.03t293 2953 8175 70 213
Description NO-HIT Locus Name Acc#
NT AA Grand Doobabilita
ORF Name NTID AAID Length Length Probability
246.41925c3243
Protein name Locus Name Acc#
115K outer membrane protein precursor:SusC pir:JC6027 JC6027 protein
Description
ORF Name NTID AAID Length Length Score Probability
24647752c32252955 8177 479 1440 178 1.2e-10
Protein name Locus Name Acc#
conserved hypothetical protein MTH83 pir:F69210 F69210
Description
NT AA G
ORF Name NTID AAID Length Length Probability
256.3.5.3.9.3
Protein name Locus Name Acc#
Description
NO-HIT

	_	NT AA		
ORF Name	NTID AAID		Score Probabilit	Y
266067_f1_27	2957 8179	102 309		
Protein name		Locu	s Name Acc#	
Description				
NO-HIT				
		NT AA		
ORF Name	NTID AAID		Score Probabilit	Y
266.73.162 <u></u> ±3 <u></u> 152	2958 8180	65 198		
Protein name		Locu	s Name Acc#	
Description				
NO-HIT			3	
		370		
ORF Name	NTID AAID	NT AA Length Length	Score Probabilit	Y
26767842 <u></u> c2 <u></u> 216	2959 8181	364 1092	1.8e-41	
Protein name		Locu	s Name Acc#	
penicillin-binding	protein 2	gp:AF1	47448 AF1474	48
Description				
rod-shape-determing (mltB), rare lipops	ing protein (rodA) rotein A (rlpA),pe	nicillin-binding p	protein 2(pbpA), ytictransglycosylase rotein 5 (dacA), and ds; and unknown gene	3
ORF Name	NTID AAID	<u>NT</u> <u>AA</u> Length Length	Score Probabilit	У
Ē				
282708t2107	2960 8182	60 [183		
Protein name		Locu	s Name Acc#	
Description				
NO-HIT				

ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
29350402_c1_196	2961	3183	290	373	193	5.0e-14
Protein name				Locu	Name	Acc#
rod shape-determ	ining protein	(mreC) h	omolog	pir:C7	0189	C70189
Description						
		•				
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
30656500 <u>_</u> c2 <u>_</u> 214	2962	3184	681	2046	1802	9.8e-186
Protein name				Locus	Name	Acc#
PepO				gp:AB0	10440	AB010440
Description	*:					
Porphyromonas gi	ngivalis gene	for PepC), comple	te cds.		
				7.7	,	
ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
ORF Name 3157802_c2_204		AAID	Length		Score	Probability 3.0e-49
			Length	Length		
3157802 <u>c2204</u>			Length	Length 269 Locus	514	3.0e-49
3157802 <u>c2204</u>			Length	Length 269 Locus	514 Name	3.0e-49 <u>Acc#</u>
3157802_c2_204	<u>2963</u> [8	3185	Length	Length 269 Locus	514 Name	3.0e-49 <u>Acc#</u>
Protein name Description	<u>2963</u> [8	3185	Length	Length Locus Locus sp:Y4WA	514 Name	3.0e-49 <u>Acc#</u> P55679
Protein name Description	<u>2963</u> [8	3185	Length	Length 269 Locus	514 Name	3.0e-49 <u>Acc#</u>
Protein name Description HYPOTHETICAL ZIN	C PROTEASE Y4W	(A,	Length 422 [1] NT Length	Length Locus Sp:Y4WA	514 S Name A_RHISN	3.0e-49 <u>Acc#</u> P55679
Protein name Description HYPOTHETICAL ZIN ORF Name	C PROTEASE Y4W	AAID	Length 422 [1] NT Length	Length Locus Sp:Y4WA AA Length	514 S Name A_RHISN	3.0e-49 <u>Acc#</u> P55679
Protein name Description HYPOTHETICAL ZIN ORF Name 31813761_fl_37	C PROTEASE Y4W	AAID	Length 422 [1] NT Length	Length Locus Sp:Y4WA AA Length	514 S Name A_RHISN Score	Acc# P55679 Probability
Protein name Description HYPOTHETICAL ZIN ORF Name 31813761_f1_37 Protein name	C PROTEASE Y4W	AAID	Length 422 [1] NT Length	Length Locus Sp:Y4WA AA Length	514 S Name A_RHISN Score	Acc# P55679 Probability

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	NT AA Score Probability	
ORF Name	NTID AAID Length Length 2.4e-63	
33210875_c1_182	2965 8187 252 759 647 2.10 03 Name Acc#	
Protein name	sp:FABG_BACSU	
Description Description		
ACYL CARRIER PROTE	EIN REDUCTASE)	
	NT AA Score Probability	
ORF Name	NTID AAID Length Length	
34081405_c3_220	2966 8188 88 267	
Protein name	100 ds Name	
hypothetical prote	ein PHS004	
Description		
	NT AA Score Probability	
ORF Name	NTID AAID Length Length 2.5e-14	
3.6151575 <u></u> .c3 <u></u> 228		
Protein name	760750	
erythromycin este	erase homolog ybfO pir:A69750 A69750	
Description		
	$rac{ ext{NT}}{ ext{NTID}}$ AAID Length Length	r -
ORF Name	1.6e-11	
3937535 <u></u> c3 <u></u> 236	Locus Name Acc#	
Protein name	gp:AB010463 AB0104	63
NorM		
Description	for North complete Cds.	
Vibrio parahaemo	olyticus gene for NorM, complete cds.	

			AA Score	Probability
ORF Name	NTID AAID		ngth	5.0e-24
394135_c3_231 29	8191	243 732	276	
Protein name			Locus Name	Acc#
		នា	p:YG29_SYNY3	P74346
Description		<u> </u>		
HYPOTHETICAL 36.0 KD	PROTEIN SLR1629			
HYPOTHETICAL 30.0 RD			7) 7)	
	NTID AAID	NT Length Le	AA Score	Probability
ORF Name		767 230	4 725	1.9e-75
4040878_c3_239 2	970 8192		Locus Name	Acc#
<u>Protein name</u>				A41860
tetracycline resistan	ce element regul	ator p	oir:A41860	
RteA				
Description				
	2.75	<u>NT</u> Length <u>L</u>	AA Score	Probability
ORF Name	NTID AAID			4.6e-14
4.7.41.50.7 <u></u> c2 <u></u> 198	8193	319 960		
Protein name			Locus Name	Acc#
phosphate ABC transp	orter, periplasm	ic	pir:C72276	C72276
phosphate-binding pro	tein			
Description			0	V - 10
		NT	AA . Score	Probability
ORF Name	NTID AAID	<u></u>	Length	7 7 7 7 7
4806377 <u>c1_174</u>	2972 8194	205 61	.8 109	4.2e-06
Protein name			Locus Name	Acc#
ExbD2			gp:AF047974	AF047974
Description				
Type cholerae Toll	R (tolR), ExbB2	(exbB2), Exh	oD2 (exbD2), ar	ndTonB2 (tonB2)
genes, complete cds;	and unknown gene	es. 		

		NT	AA Length	Score	Probability	
ORF Name	NTID AAID				8.2e-09	i
4877187_c3_224	2973 8195	274		.53		i
Protein name			Locus		Acc#	
			sp:TONB_	HELPY	025899	
Description						
TONB PROTEIN	4				*	
		NT	AA		Drobability	
ORF Name	NTID AAII	,	Length	Score	Probability	
4880452_c2_200	7 2974 8196	300	903	512	4.9e-49]
	<u> </u>		Locus	Name	Acc#	
Protein name	+ F		gp:AF082	2183	AF082183	
ABC transporter Mu	CI				* . * .	
Description Streptococcus muta		or Mut F (mi	FF). memb	rane spa	anningprotein	
				plete co	ds; and	
MutE (mutE), and me fructose bi-phospha	ite aldolase (fba) gene,part	ial cds.	7	* 1	ī
		NT	AA	Score	Probability	
ORF Name	NTID AAI	D Length	Length		•	
4954682 <u></u> c1 <u></u> 176	2975 8197	275	828			
Protein name			Locus	Name	Acc#	
Description	i				- T	1
NO-HIT						
	NTTD AA	<u>NT</u> ID Length	AA 1 Length	Score	Probability	
ORF Name			1861	457	3.3e-43	\neg
5120327 <u>_</u> c2 <u>_</u> 199	2976 8198	286	! L		Acc#	
Protein name				s Name	D70171	
ABC transporter,	ATP-binding prot	ein homolog	pir:D7	0171	D/01/1	
Description	-					

		NT AA Score Probability	
ORF Name	NTID AAID	Length Length 9.6e-108	
5132937_c2_213	2977 8199	53 1702	
Protein name		Locus Name Acc#	
ABC-type transpo:	ct protein slr0864:pro	cein pir:S74849 S74849	
slr0864:protein s	lr0864		
Description			
		NT AA Score Probability	
ORF Name	NTID AAID	Length Length	
6369006 <u></u> c1 <u></u> 181	2978 8200	199 600 143 6.2e-10	
Protein name		Locus Name Acc#	
		sp:YP23_STAAU P23217	
Descripti <u>on</u>			
Depot purelli CAL TR	SACON ENGLISHMAN PECHILATO	N N QACA 5'REGION (ORF 188)	7 -
	MSCKIPITOWED KEGOTISTO		
HYPOTHETICAL TR	ANSCRIPTIONAL REGULATION	λΙΠ λΛ	
	NTID AAID	NT AA Score Probability	
ORF Name	NTID AAID	NT AA Score Probability	
ORF Name 6.425c3222	NTID AAID	NT AA Score Probability Length Length	
ORF Name	NTID AAID	NT AA Score Probability Length Length 498	
ORF Name 6.425c3222	NTID AAID	NT AA Score Probability Length Length 498	
ORF Name 6.425c3_222 Protein name	NTID AAID	NT AA Score Probability Length Length 498	
ORF Name 6.425c3222 Protein name Description	NTID <u>AAID</u>	NT AA Score Probability Length Length Locus Name Acc#	
ORF Name 6.425c3222 Protein name Description	NTID AAID	NT AA Score Probability Length Length Locus Name Acc# NT AA Score Probability Length Length Score Probability	
ORF Name 6.425_c3_222 Protein name Description NO-HIT	NTID AAID 2979 8201 NTID AAID	NT AA Score Probability Length Length Locus Name Acc# NT AA Score Probability Length Length Length Length 1518 4557	
ORF Name 6425c3222 Protein name Description NO-HIT ORF Name	NTID AAID 2979 8201 NTID AAID	NT AA Score Probability Locus Name Acc# NT AA Score Probability Locus Name Decided Acc#	
ORF Name 6.425c3222 Protein name Description NO-HIT ORF Name 6.6.3463c220.7 Protein name	NTID AAID 2979 8201 NTID AAID	NT AA Score Probability Length Length Locus Name Acc# NT AA Score Probability Length Length Length Length 1518 4557	
ORF Name 6.425	NTID AAID 2979 8201 NTID AAID	NT AA Score Probability Length Length Locus Name Acc# NT AA Score Probability Length Length Length Length 1518 4557	

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	NTID AAID Length Length Probability
ORF Name	NTID AAID = 154 0.034
6966_f2_109	2981 8203 70 223
Protein name	10000
unknown	gp:MHU75508 U75508
Description	
Marinococcus halor	philus plasmid pPL1, complete sequence.
	NT AA Score Probability
ORF Name	NTID AAID 13e-22
7225883_c3_235	2982 8204 301 900 200
Protein name	<u> </u>
CGI-124 protein	gp:AF151882 AF151882
Description	
Homo sapiens CGI-	124 protein mRNA, complete cds.
	NT AA Score Probability
ORF Name	NIID PARE STATE
865757 <u>f2</u> 103	
Protein name	Locus Name Acc#
Description	
NO-HIT	
	NT AA Score Probability
ORF Name	NTID AAID Length Length
9845313 <u></u> c2 <u></u> 209	
3843313	2984 8206 333 1002
Protein name	

ORF Name 24644061_c2_20 Protein name	NTID AAID 2985 8207	NT AA Score Probability Length Length Locus Name Acc#
Description		
ORF Name 3.027.206.7t26 Protein name hybrid histidine k:		NT AA Score Probability Length Length 567 4.7e-56 Locus Name Acc# gp:AF024619 AF024619
Description Pseudomonas fluore regulatory protein	scens hybrid histi (styR) genes, comp	dine kinase homolog (stys) andresponse lete cds.
ORF Name 3.340.026.0	NTID AAID 2987 8209 for STARP antigen	NT AA Score Probability Length Length 0.00030 Locus Name Acc# gp:PFSTARP Z26314
F.10101p3-1-10	NTID AAID	NT AA Score Probability

ORF Name		AAID	NT Length	AA Length	Score	Probability
9862501_f2_9 Protein name	2989 823		109		Name	Acc#
Description						
NO-HIT				7.7		
ORF Name	NTID	AAID	<u>NT</u> Length	AA Length	Score	Probability 3.8e-10
10547781_f1_4	2990 82	12	124	375	145	
Protein name				Locus	s Name	Acc#
hypothetical prote	ein sll0939			pir:S7	4723	\$74723
Description						** ***********************************
			NT	AA	Score	Probability
ORF Name	NTID	AAID	Length	Length		
16832885_c3_86	2991 8:	213	431	1296	1723	2.3e-177
Protein name			ā	Locu	ıs Name	Acc#
hypothetical prot	ein			pir:J(21020	JQ1020
Description			0			
	. 11		NT	AA	Score	Probability
ORF Name	$\underline{\mathtt{NTID}}$	AAID	Length	<u>Length</u>		
22475387 <u>c2</u> 82	2992	3214	76	231	74 Name	0.013 Acc#
Protein name					us Name	AF113578
envelope glycopro	otein			gp:AF	113578	AFILOSTO
Description						- Jones gone
HIV-1 isolate 30:	2_04 group 0 :	From Sp	ain enve	elope gly	coprote	ii (eiiv)gene,

	NTID AAID Length Length Score Probability
ORF Name	110 1.0e-05
22848261_f3_53	2993 8215 687 2064 110 Locus Name Acc#
Protein name	
conserved hypothe	tical protein MTH695 pir:F69192 F69192
Description	*
	$rac{ ext{NT}}{ ext{NTID}} rac{ ext{AA}}{ ext{Length}} rac{ ext{Score}}{ ext{Length}} rac{ ext{Probability}}{ ext{Probability}}$
ORF Name	252
22860128 <u></u> c1 <u></u> 54	Locus Name Acc#
Protein name	
Description	
NO-HIT	
	NT AA Score Probability
ORF Name	NTID AAID Length Length 170 2.7e-09
23453775f1_11	
Protein name	Locus Name Acc#
conserved hypoth	netical protein pir:G72385 G72385
Description	
	NT AA Score Probability
ORF Name	NTID AAID Length Length
23.525.938c3103	
Protein name	Locus Name Acc#
Description	
NO-HIT	
ODE Name	$rac{ ext{NT}}{ ext{NTID}}$ AAID Length Length
ORF Name	148 447
25816887 <u></u> £2 <u></u> 17	Locus Name Acc#
Protein name	
Description	
NO-HIT	

			NT	AA			
ORF Name	NTID	AAID	Length	<u>AA</u> Length	Score	Probability	
26598385_c3_96	2998	8220	456	.371	772	1.4e-76	
Protein name				Locus	Name	Acc#	
transcription regul	ator NtrC	family		pir:C70	396	C70396	
Description							
	·						
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
3.027.6562 <u></u> £3 <u></u> 47	2999	8221	495 1	.488	148	4.2e-07	
Protein name				Locus	Name	Acc#	
immunoreactive 52kD	antigen	PG41		gp:AF1	75716	AF175716	
Description							
Porphyromonas gingi complete cds.	valis str	ain W50 ir	mmunoreac	ctive 52k	D antige	enPG41 gene,	
						,	
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	<u>Probability</u>	
31486011 <u></u> c3 <u></u> 102	3000	8222	- 14 - 1 - 17	<u> </u>			
	3000	0222	153 4	62			
Protein name	3000	0222	153		s Name	Acc#	
Protein name Description		0222	<u> </u>		s Name	<u>Acc#</u>	
*		0222	153 4		s Name	Acc#	
Description		0222		Locus	3 Name	Acc#	
Description	NTID	AAID	NT Length		Score	Acc# Probability	
Description			NT Length	Locus			
Description NO-HIT ORF Name	NTID	AAID	NT Length	Locus AA Length			
Description NO-HIT ORF Name 3.1486011t215	NTID	AAID	NT Length	Locus AA Length	Score	Probability	· ·
Description NO-HIT ORF Name 31486011_t2_15 Protein name	NTID	AAID	NT Length	Locus AA Length	Score	Probability	

ORF Name	NTID AAID	NT AA Length Length Score Probability
33244627 f3 34] [3002	7 212 639 122 0.00016
Protein name		Locus Name Acc#
hypothetical prote	in H02F09.3	pir:T33369 T33369
Description		
		NT AA
ORF Name	NTID AAID	Length Length Score Probability
33382801 <u>_</u> ±3 <u>_</u> 39	. 3003 8225	81 246 65 0.0051
Protein name		Locus Name Acc#
		sp:YF03_MYCPN P75445
Description		
HYPOTHETICAL 85.3	KD PROTEIN F10_ORF	750
		NITT 7.7
ODE Nama		NT AA Score Probability
ORF Name	NTID AAID	Length Length
3.3.4.0.7.2.5.6£22.6	NTID AAID 3004 8226	<u>Length</u> <u>Length</u> <u>1305</u> 172 4.3e-10
	8	Length Length ———
3.3.4.0.7.2.5.6£22.6	3004 8226	Length Length 4.3e-10
33407256f226 Protein name	3004 8226	Length Length 4.3e-10 Locus Name Acc#
Protein name hypothetical protes	3004 8226	Length Length 4.3e-10 Locus Name Acc# pir:H70326 H70326
Protein name hypothetical protes	3004 8226	Length Length 4.3e-10 Locus Name Acc#
Protein name hypothetical protes Description	3004 8226 in aq_294	Length Length 434 1305 172 4.3e-10 Locus Name Acc# pir:H70326 H70326
Protein name hypothetical protein Description ORF Name	3004 8226 in aq_294 NTID AAID	Length Length
Protein name hypothetical protein Description ORF Name 3407187_c2_81	3004 8226 in aq_294 NTID AAID	Length Length
Protein name hypothetical protein Description ORF Name 340.718.7	3004 8226 in aq_294 NTID AAID	Length Length

		NT AA Score Probability	
ORF Name	NTID AAID	Length Length Score	
3937553_c1_66	3006 8228	417 1254 115 2.5e-06	
Protein name		Locus Name Acc#	
integrase		gp:BFU75371 U75371	
Description		,	
(tnpC), excisiona		on protein (mobA), and beta-lactamase on genes.	
ODE Name	NTID AAID	NT AA Score Probability	_
ORF Name		*	
4179002_c1_67	3007 8229	210 633 106 0.014	
Protein name	*	Locus Name Acc#	
high-molecular-we	eight surface-exposed	protein pir:A43855 A43855	
Description			
		NT AA	
ORF Name	NTID AAID	Length Length Score Probability	
		110119 111	
6651552 <u></u> t3 <u></u> 35	3008 8230	125 378	
6651552 <u>t335</u>	3008 8230		
	3008 8230	125 378	
Protein name	3008 8230	Locus Name Acc#	7
Protein name Description	3008 8230	Locus Name Acc#	
Protein name Description	NTID AAID	Locus Name Acc#	
Protein name Description NO-HIT	NTID AAID	Locus Name Acc# NT AA Score Probability	
Protein name Description NO-HIT ORF Name	NTID AAID	Locus Name Acc# NT AA Length Length Score Probability	
Protein name Description NO-HIT ORF Name 10640787t257	NTID AAID	125 378	

ODE Nama	NTID	AAID	NT Length	AA Length	Score	Probability
ORF Name				949	578] [1.2e-93
10664125_c2_136	3010	8232	982			1.20)
Protein name				Locus	Name	Acc#
putative secreted	protein			gp:SCM1	1	AL133278
Description						
Streptomyces coeli	icolor cosmi	d M11.				
		<u> </u>	NT	AA		Decele als differen
ORF Name	NTID	AAID	<u>Length</u>	Length	Score	Probability
10822142_c2_148	3011	8233	60]	.83	94	0.00081
Protein name				Locus	Name	Acc#
transposase				gp:AF03	38866	AF038866
Description		-				
Bacteroides fragi				sase (bi	pH) andr	nobilization
	\	المصمسم السي	~			
protein BmpH (bmpH)	genes, com	iprete cu	J.			
protein BmpH (bmpH)	genes, com	prece ca		AA		
ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
1	NTID		<u>NT</u> Length		Score	Probability 2.6e-08
ORF Name	NTID	AAID	NT Length	Length		
ORF Name	NTID	AAID	NT Length	Length Locus	137	2.6e-08
ORF Name	NTID	AAID	NT Length	Length Locus	137 s Name	2.6e-08 <u>Acc#</u>
ORF Name 10945937_c3_159 Protein name	<u>NTID</u> 3012	<u>AAID</u> 8234	NT Length	Length Locus sp:YDE0	137 S Name S_SCHPO	2.6e-08 <u>Acc#</u>
ORF Name 10945937_c3_159 Protein name Description	<u>NTID</u> 3012	<u>AAID</u> 8234	NT Length 104	Length Locus sp:YDEC	137 S Name S_SCHPO	2.6e-08 <u>Acc#</u>
ORF Name 10945937_c3_159 Protein name Description	<u>NTID</u> 3012	<u>AAID</u> 8234	NT Length	Length Locus sp:YDE0	137 S Name S_SCHPO	2.6e-08 <u>Acc#</u>
ORF Name 10945937_c3_159 Protein name Description HYPOTHETICAL 57.2	NTID 3012 KD PROTEIN NTID	AAID 8234 C12B10.1	NT Length 104 - E	Length Locus Sp:YDEC	I37 S Name S SCHPO	2.6e-08 Acc# Q10449
ORF Name 10945937_c3_159 Protein name Description HYPOTHETICAL 57.2	NTID 3012 KD PROTEIN NTID	AAID 8234 C12B10.1 AAID	NT Length 104 C IN CHI	Length Locus Sp:YDEC ROMOSOME AA Length	137 S Name S SCHPO	2.6e-08 Acc# Q10449 Probability
ORF Name 10945937_c3_159 Protein name Description HYPOTHETICAL 57.2 ORF Name 193.757_c2_135	NTID 3012 KD PROTEIN NTID 3013	AAID 8234 C12B10.1 AAID	NT Length OC IN CHI NT Length 1054	Length Locus Sp:YDEC ROMOSOME AA Length	137 S Name S SCHPO I Score 874 S Name	2.6e-08 Acc# Q10449 Probability 2.1e-87
ORF Name 10945937_c3_159 Protein name Description HYPOTHETICAL 57.2 ORF Name 193.757_c2_135	NTID 3012 KD PROTEIN NTID 3013	AAID 8234 C12B10.1 AAID	NT Length OC IN CHI NT Length 1054	Length Locus Sp:YDEC ROMOSOME AA Length 3165 Locus	137 S Name S SCHPO I Score 874 S Name	2.6e-08 Acc# Q10449 Probability 2.1e-87 Acc#

ORF Name 19688750_f2_41	NTID AF	NT Length	AA Score	Probability
Protein name			Locus Name	Acc#
Description				
NO-HIT				
		NT	AA	
ORF Name	NTID AA	AID Length	Length Score	Probability
21484385 <u></u> £3 <u></u> 81	3015 8237	78	237	
Protein name			Locus Name	Acc#
Description				
NO-HIT		,		
		277	7.7	
ORF Name	NTID AA	NT Length	AA Length Score	Probability
23.46.90.15 <u></u> c2 <u></u> 1.52	3016 8238	250	753	
Protein name			Locus Name	Acc#
Description				
NO-HIT				
		ATT	7).7)	
ORF Name	NTID AA	NT Length	AA Length Score	Probability
2403.9688c1115	3017 8239	391	1176 457	6.4e-53
Protein name			Locus Name	Acc#
alkaline phospha	tase		pir:B72410	B72410
Description				
		NT	AA	
ORF Name	NTID AA	ID Length	Length Score	Probability
24219562 <u></u> c1111	3018 8240	98	297 102	7.3e-05
Protein name			Locus Name	Acc#
glucokinase			pir:F72246	F72246
Description	,			

ORF Name 24226532_t3_92 Protein name		NT AA Score Length Length 407 Locus Name Sp:XYLR_HAEIN	Probability 1.3e-39 Acc# P45043
Description XYLOSE OPERON REGU	LATORY PROTEIN	NT AA Score	Probability
ORF Name 24308311_f2_49 Protein name transposase slr051 slr0511	NTID AAID 3020 8242 1:protein sir0511:pr	Length Length 135 408 141 Locus Name Totein pir:S76643	2.0e-09 Acc# S76643
ORF Name 24645312t387 Protein name homolog yvqC Description	NTID <u>AAID</u> 3021 8243	NT AA Score Length Length 291 876 104 Locus Name pir:E70045	Probability 0.0026 Acc# E70045
ORF Name 25662812_t3_86 Protein name Description	<u>NTID</u> <u>AAID</u>	NT AA Score Length Length 85 258 Locus Name	Probability Acc#

ORF Name NTID AAID Length Length Length Description NTID AAID NTID AAID Length Lengt]
ORF Name NTID AAID Length Length Score Probability 262_c2_134 3024 8246 143 432 Protein name Locus Name Acc# Description	1
NO-HIT NT AA Score Probability ORF Name NTID AAID Length Length Probability 266.9.9155_c3_181	
ORF Name NTID AAID Length Length Score Probability 2923.212c2154	

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ORF Name 31929762_c2_138 Protein name	NTID <u>AAID</u> 3027 8249	NT AA Length Length 779 Locus Name sp:YDEG_SCHPO	Probability 2.5e-77 Acc# Q10449
Description		-	,
HYPOTHETICAL 57.2	KD PROTEIN C12B10.1	L6C IN CHROMOSOME I	
ORF Name	NTID AAID	NT AA Length Length	Probability
33709813_f3_84 Protein name	3028 8250	Locus Name	Acc#
Description			1.7
NO-HIT			*
ORF Name	NTID AAID 3029 8251	NT AA Score Length Length	Probability
34429807_f2_52 Protein name		Locus Name	Acc#
Description		-	
NO-HIT			
ORF Name	NTID AAID	NT AA Score Length Length	
3.6.23.0.26.7 <u></u> c3. <u></u> 18.0	3030 8252	376 1131 237	5.0e-24
Protein name	,	Locus Name	Acc#
immunoreactive 53	kD antigen PG123	gp:AF144641	AF144641
Description Porphyromonas gin complete cds.	givalis strain W50	immunoreactive 53 kD and	tigenPG123 gene,

NT AA Score Probability	
ORF Name NTID AAID Length Length	
3914587_c1_112	_
Protein name Locus Name Acc#	
hypothetical protein pir:S76053 S76053	
Description	
Description	
NTID AAID Length Length Probability	
ORF Name NIID 10 00058	7
410463.7c1133	_
Protein name Locus Name Acc#	
clostripain-related protein pir:B72365 B72365	
Description	
OPE Name NTID AAID Length Length	
ORF Name [54] [0.0081	٦
4149180c2150	_
Protein name	
hypothetical protein T03F7.4 pir:T24404 T24404	
Description	
NT AA Grore Probability	
ORF Name NTID AAID Length Length Probability	
3.6e-14	
M192187 C1 129 3034 8256 481 1446 210	
#192107 Name Acc#	*
Protein name Locus Name Acc# AF038866	
Protein name Locus Name Acc# transposase gp:AF038866 AF038866	
Protein name Locus Name Acc# transposase Description Locus Name April Apri	1
Protein name Locus Name Acc# transposase gp:AF038866 AF038866	

NT AA Score Probability	
ORF Name NTID AAID Length Length 2.6e-08	٦
4423386_c3_157	_
Protein name Locus Name Acc#	
Hyp1 protein gp:HVHYP1PRO Y09797	
Description	
H.vulgaris mRNA for Hyp1 protein.	
ORF Name NTID AAID Length Length	
[4804632_c1_116] 3036 8258 389 1170 197 8.8e-13	
Locus Name Acc#	
Protein name Conserved hypothetical protein TP0931 pir:D71264 D71264	
Description	
$rac{ ext{NT}}{ ext{ORF Name}}$ $rac{ ext{NTID}}{ ext{NTID}}$ $rac{ ext{AAID}}{ ext{Length}}$ $rac{ ext{Length}}{ ext{Length}}$	
4876556t389	
Protein name Locus Name Acc#	
immunoreactive 53 kD antigen PG123 gp:AF144641 AF144641	
Description	_
Porphyromonas gingivalis strain W50 immunoreactive 53 kD antigenPG123 gene, complete cds.	y.
NT AA Score Probability	
ORF Name NTID AAID Length Length	
4960760 <u>cl</u> _117	
<u>Protein name</u> <u>Locus Name</u> <u>Acc#</u> <u>gp:ATAC004411</u> AC004411	
gp:AIAC0044II	
Description TT DAC F14M4 genomic sequence, complete	٦
Arabidopsis thaliana chromosome II BAC F14M4 genomic sequence, complete sequence.	

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al protei			Locus	Name	Acc#	
	in TP0931		pir:D7	264	D71264	
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		NT	AA			
NTID	AAID	Length	Length	Score	Probability	
3040	8262	180 5	43			
			Locus	Name	Acc#	
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						<u></u>
NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
3041	8263	63 1	92			
	*		Locus	Name	Acc#	
					**	
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		NT	AA			_
NTID	AAID	Length	Length	Score	Probability	
3042	8264	551 1	656	110	2.2e-07	
	*		Locus	Name	Acc#	
1			gp:U967	71	U96771	
		*				
	NTID NTID	NTID AAID NTID B263 NTID AAID	NTID AAID Length NTID AAID Length NTID AAID Length 8263 63 1 NTID AAID Length	NTID AAID Length Length NTID AAID Length Length	NTID AAID Length Length Locus Name NTID AAID Length Length NTID AAID Length Length Score Locus Name NTID AAID Length Length Locus Name NTID AAID Length Length Locus Name	NTID AAID Length Length Score Probability

S59452_cl_120 3043 8265 281 786 241 2.5e-20 Protein name	ORF Name	NTID AAID	NT AA Score Pro	bability
Description	859452_c1_120	3043 8265	261 786 241 2	.5e-20
Description	Protein name		Locus Name	Acc#
ORF Name NTID AAID Length Length Length Length Score Probability B9.71E7_c1_127 3044 8266 532 1599 276 [1.2e-21] Protein name Locus Name Acc# hypothetical protein PAB1002 pir:G75064 G75064 Description NT AA Score Probability ORF Name NTID AAID Length Length Score Probability Protein name Locus Name Acc# Description NO-HIT NT AA Score Probability Locus Name Acc# Protein name Locus Name Acc# Protein name Locus Name Acc# Gp59 Gp:EA1242593 AJ242593 Description Bacteriophage Al18 complete genome. Length Length Length Probability CRF Name NTID AAID Length Length Length Probability	probable transmembr	ane protein	pir:T34651	T34651
ORF Name NTID AAID Length Length Score Probability B971B7_c1_127	Description			
ORF Name NTID AAID Length Length Score Probability B971B7_c1_127			NTH 7.70	70 °
Protein name	ORF Name	NTID AAID	- Score Pro	bability
hypothetical protein PAB1002 pir:g75064 G75064 Description	897187_c1_127	3044 8266	532 1599 276 1	.2e-21
Description	Protein name		Locus Name	Acc#
ORF Name NTID AAID Length Length Length Score Probability IDD35453_c1_59 3045 8267 74 225	hypothetical protei	n PAB1002	pir:G75064	G75064
ORF Name NTID AAID Length Length Score Probability 10035453_GL_59 3045 8267 74 225 Protein name Locus Name Acc# Description NO-HIT NTID AAID Length Length Score Probability L052188_G3_87 3046 8268 68 207 71 0.028 Protein name Locus Name Acc# gp59 gp:BA1242593 AJ242593 Description Bacteriophage All8 complete genome. ORF Name NTID AAID Length Length Score Probability I3089760_12_19 3047 8269 77 234	Description			
ORF Name NTID AAID Length Length Score Probability 10035453_GL_59 3045 8267 74 225 Protein name Locus Name Acc# Description NO-HIT NTID AAID Length Length Score Probability L052188_G3_87 3046 8268 68 207 71 0.028 Protein name Locus Name Acc# gp59 gp:BA1242593 AJ242593 Description Bacteriophage All8 complete genome. ORF Name NTID AAID Length Length Score Probability I3089760_12_19 3047 8269 77 234			NT AA	
Protein name Locus Name Acc#	ORF Name	NTID AAID	- Score Pro	bability
Description NO-HIT	10035453 <u>_</u> c1_59	3045 8267	74 225	
NO-HIT NT AA Length Length Length Score Probability 1.0.5.21.88G38.7	Protein name		Locus Name	Acc#
ORF Name NTID AAID NTID AAID Length Length Score Probability 1.0.5.21.8.83	Description			
ORF Name NTID AAID Length Length Probability 1.0.52188G38.7	NO-HIT	1		
ORF Name NTID AAID Length Length Probability 1.0.52188G38.7			NT AA	
Protein name Locus Name Acc# gp59 gp:BA1242593 AJ242593 Description Bacteriophage A118 complete genome. ORF Name NTID AAID Length Score Probability 13089760_f2_19 3047 8269 77 234	ORF Name	NTID AAID	- Score Dro	bability
gp:BA1242593 AJ242593 Description	1052188c387	3046 8268	68 207 71	.028
Description Bacteriophage A118 complete genome. ORF Name NTID AAID Length Length Score Probability 13089760_f2_19 3047 8269 77 234	Protein name		Locus Name	Acc#
Bacteriophage A118 complete genome. ORF Name NTID AAID Length Length Score Probability 13.08.976.0f219	gp59		gp:BA1242593	AJ242593
ORF Name NTID AAID Length Length Score Probability 13.089760t219	Description			
ORF Name NTID AAID Length Score Probability 13089760_t2_19 3047 8269 77 234	Bacteriophage A118	complete genome.		
ORF Name NTID AAID Length Score Probability 13089760_t2_19 3047 8269 77 234			NT AA _	
	ORF Name	NTID AAID	- Score Pro	bability
Protein name Locus Name Acc#	13.089760 <u>_</u> t2 <u>_</u> 19	3047 8269	77 234	
	Protein name		Locus Name	Acc#
Description	Description			
NO-HIT	NO-HIT			

ORF Name	NTID AAID	NT AA Score Length Length	Probability
14650012_c3_92	3048 8270	536 1611	
Protein name		Locus Name	Acc#
Description			
NO-HIT			
		NT AA	
ORF Name	NTID AAID	Length Length Score	Probability
14664813 <u></u> c1 <u></u> 64	3049 8271	62 189	
Protein name		Locus Name	Acc#
Description			
NO-HIT			
ORF Name	NTID AAID	NT AA Length Length Score	Probability
15742327 <u></u> c2 <u></u> 79	3050 8272	66 201	
Protein name		Locus Name	Acc#
Description			
NO-HIT			14
ORF Name	NTID AAID	NT AA Score	Probability
16210456 <u></u> ±1 <u></u> 8	3051 8273	107 324 213	9.1e-17
Protein name		Locus Name	Acc#
conserved hypothe	tical protein BB0262	pir:F70132	F70132
Description			
			*
ORF Name	NTID AAID	<u>NT</u> <u>AA</u> Length Length <u>Score</u>	Probability
16680455 <u></u> ±3 <u></u> 48	3052 8274	138 417	
Protein name		Locus Name	Acc#
Description			
NO-HIT			

ORF Name	NTID AAII		Score	Probability
22946087_£1_9	3053 8275	108 327	70	0.033
Protein name			Locus Name	Acc#
hypothetical prote	ein 62		r:T31025	T31025
Description				
ORF Name	NTID AAI		Score	Probability
23554057 <u></u> £3 <u></u> 35	3054 8276	412 1239		
Protein name			Locus Name	Acc#
Description				
NO-HIT		-		7 .
		NT	AA G	Decelor hilitar
ORF Name	NTID AAI		ngth Score	Probability
24219067 <u>f</u> 1_5	3055 8277	62 189	×	
Protein name	-		Locus Name	Acc#
Description				
NO-HIT		9		
		NT	AA G	
ORF Name	NTID AAI		ngth Score	Probability
24398917 <u></u> £3 <u></u> 38	3056 8278	135 408	112	4.2e-06
Protein name			Locus Name	Acc#
conserved hypothe	etical protein	p	ir:G72380	G72380
Description				
		NT	AA Grand	D . 1 - 1 - 1 - 1 - 1
ORF Name	NTID AA		ength Score	Probability
25633312 <u>_f3_34</u>	3057 8279	69 210		
Protein name			Locus Name	Acc#
Description			<u> </u>	
NO-HIT				

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ORF Name	NTID AAID	NT AA Score	Probability
	3058 8280	297 894 435	7.0e-41
29921938_±1_16		Locus Name	Acc#
<u>Protein name</u>		sp:YF23_HAEIN	P44243
		sp:YF23_nAEIN	
Description			
HYPOTHETICAL PROT	EIN HI1523		
		NT AA Score	Probability
ORF Name	NTID AAID	Length Length	ė
30355305_c3_90	3059 8281	271 816 411	2.5e-38
Protein name		Locus Name	Acc#
		sp:SOJ_BACSU	P37522
Description			*
			
SOJ PROTEIN			
ORF Name	NTID AAID	NT <u>AA</u> Score Length Length	Probability
32069806±333	3060 8282	332 999	
		Locus Name	Acc#
Protein name			
Description	÷		
NO-HIT			
		NT AA Score	Probability
ORF Name	NTID AAID	Length Length	
33882837 <u>c3</u> 91	3061 8283	97 294 80	0.024
Protein name		Locus Name	Acc#
hypothetical pro	otein F20D10.230	pir:T05638	T05638
Description			
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ORF Name 34181512_f2_31	NT AA Score Probability NTID AAID Length Length 3062 8284 207 624	
Protein name	Locus Name Acc#	
Description		
ио-ніт		
	NT AA Score Probability	-
ORF Name	NTID AAID Length Length Score Probability	
34182813_f1_7	3063 8285 260 783	
Protein name	Locus Name Acc#	
Description		
NO-HIT		
	NT AA ggora Probability	_
ORF Name	$rac{ ext{NT}}{ ext{NTID}}$ AAID Length Length $rac{ ext{AA}}{ ext{Core}}$ Probability	
34407928_£2_20	3064 8286 134 405	
Protein name	Locus Name Acc#	
Description		
NO-HIT		
	NT AA Grave Brobability	_
ORF Name	NTID AAID Length Length Score Probability	
3.526.7.03.7£223	3065 8287 117 354	
Protein name	Locus Name Acc#	
Description		
NO-HIT		
	NT AA Score Probability	
ORF Name	NTID AAID Length Length Score Probability	
3.6.5.6.2.5.5. <u></u> c3 <u></u> 8.6	3066 8288 64 195	
Protein name	Locus Name Acc#	
Description		
NO-HIT		
		_

ORF Name 36613586_c1_56 Protein name Description	NTID AAID Length Length Score Probability 13067 198 Locus Name Acc#	
NO-HIT		
	NT AA Score Probability	_
ORF Name	NTID AAID Length Length Score Probability	
4182811 <u></u> ±3 <u>4</u> 0	3068 8290 393 1182	
Protein name	Locus Name Acc#	
Description		
NO-HIT		
	NT AA Score Probability	
ORF Name	NTID AAID Length Length	
831463 <u>c1</u> 67	3069 8291 141 426	
Protein name	Locus Name Acc#	
Description		
NO-HIT		
	NT AA Score Probability	
ORF Name	NTID AAID Length Length	
83.921.7_c3_93	3070 8292 120 363	
Protein name	Locus Name Acc#	
Description		
NO-HIT		-
	NT AA Gore Probability	
ORF Name	NTID AAID Length Length Score Probability	
10820311_c2_198	3071 8293 230 693	
Protein name	Locus Name Acc#	
Description Description		
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ORF Name 11881375_f2_45 Protein name	NTID AAID Length Length Score Probability 3072 8294 177 534 445 6.1e-42 Locus Name Acc# sp:YACN_BACSU Q06756
Description HYPOTHETICAL 17.1	L KD PROTEIN IN MECB-GLTX INTERGENIC REGION
ORF Name 12929693_f3_78 Protein name	NTID AAID Length Length Score Probability 13073 8295 261 786 372 3.3e-34 Locus Name Acc# Sp:YAAA_ECOLI P11288
Description HYPOTHETICAL 29.	6 KD PROTEIN IN THRC-TALB INTERGENIC REGION
ORF Name 1367043_f3_81 Protein name Description (PSEUDOURIDYLATE	Locus Name Acc# Sp:RLUB_BACSU P35159 E SYNTHASE) (URACIL HYDROLYASE)
ORF Name 1444087t250 Protein name Description	NT AA Score Probability NTID AAID Length Length 3075 8297 208 627 Locus Name Acc#

OPE Name NTID AAID Length Length
ORF Name N11D A1D 1014 1216 1.2e-123
Protein name Locus Name Acc#
immunoreactive 36 kDa antigen PG14 gp:AF145798 AF145798
Description
Porphyromonas gingivalis strain W50 immunoreactive 36 kDa antigenPG14 gene, complete cds.
NT AA Score Probability
ORF Name NTID AAID Length Length
14886027_f3_79
Protein name Locus Name Acc#
sp:MAA_BACSU P37515
Description
TRANSACETYLASE)
NT AA Score Probability
ORF Name NTID AAID Length Length NT AA Score Probability
ORF Name NTID AAID Length Length Score Probability 19799013_t2_32 3078 8300 138 417 Acc#
ORF Name NTID AAID Length Length NT AA Score Probability
ORF Name NTID AAID Length Length Score Probability 19799013_t2_32 3078 8300 138 417 Acc#
ORF Name NTID AAID Length Length Score Probability 19799013_t2_32 3078 8300 138 417 Locus Name Acc# Protein name Locus Name Acc#
ORF Name NTID AAID Length Length Score Probability 19799013t232
ORF Name NTID AAID Length Length Score Probability 19.799013_t2_32 3078 8300 138 417 Protein name Locus Name Acc# Description NO-HIT NTID AAID NTID AAA Score Probability
ORF Name NTID AAID Length Length Score Probability 19.7.99.013#232
ORF Name NTID AAID Length Length Score Probability 19.799013f232 3078 8300 138 417 417 417 417 417 417 417 417 418 417 418 417 418
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ORF Name NTID AAID Length Length	
21679756 c2 180 3080 8302 642 1929 112 2.3e-11	٦
1.0CUS Name ACC#	_
Protein name sp:THIO_HELPY P56430	
Sp.11110_11222	
Description	
THIOREDOXIN (TRX)	
NT AA Score Probability OPF Name NTID AAID Length Length	
ORF Name 2.0e-82	7
Locus Name Acc#	_
Protein name sp:ILVE_HAEIN P54689	
Sp. 111 v1_11121	
Description	ł
B) (BCAT)	<u> </u>
NT AA Score Probability	
OPE Name NTID AAID Length Length	
ORF Name 1779 6.1e-35	
23989077±117	
23989077t1_17 3082 8304 268 807 379 6.1e-35 Protein name Locus Name Acc#	
23989077t117	
23989077t117 3082 8304 268 807 379 6.1e-35 Protein name Locus Name Acc#	
23989077_t1_17	
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23989077t1_17	
23.98.90.77t117	
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		$\underline{\text{NT}}$ $\underline{\text{AA}}$	Score Probability
ORF Name	NTID AAID	<u>Length</u> <u>Length</u>	
24026561_c1_148	3084 8306	93 282	78 0.0093
Protein name		Locus	Name Acc#
late expression f	actor 2 homolog lef-	gp:AF0	02732 AF002732
Description			
Cydia pomonella g	granulovirus late exp	ression factor 2	homolog lef-2gene,
complete cds.			
ODE Name	NTID AAID	<u>NT</u> <u>AA</u> Length Length	Score Probability
ORF Name	3085 8307	720	0.00037
24328386_c2_177		Locu	s Name Acc#
Protein name			F_BACSU P54451
		Sp. 121	
Description			
PRECURSOR			F. A
PRECURSOR	NETD AATD	<u>NT</u> <u>AA</u> Length Length	Score Probability
PRECURSOR ORF Name	NTID AAID	Length Length	Score Probability
PRECURSOR		Length Length	Score Probability 373 2.6e-34
ORF Name 24412511_f3_83 Protein name	3086 8308	Length Length 160 483 Loc	Score Probability 373 2.6e-34 IS Name Acc#
PRECURSOR ORF Name 24412511_f3_83	3086 8308	Length Length	Score Probability 373 2.6e-34 IS Name Acc#
ORF Name 24412511_f3_83 Protein name	3086 8308	Length Length 160 483 Loc	Score Probability 373 2.6e-34 IS Name Acc#
ORF Name 24412511_f3_83 Protein name ribosomal protei	3086 8308	Length Length 160 483 Loc pir:F	Score Probability 2.6e-34 IS Name Acc# 71677 F71677 Score Probability
ORF Name 24412511_f3_83 Protein name ribosomal protei	3086 8308	Length Length 160 483 Loc pir:F	Score Probability 373 2.6e-34 as Name Acc# 71677 F71677 Score Probability
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ORF Name 24412511_f3_83 Protein name ribosomal protei Description ORF Name	NTID AAID	Length Length Loc Pir:F NT AA Length Length 252 759 Loc	Score Probability 373 2.6e-34 us Name Acc# 71677 F71677 Score Probability 293 7.9e-26 us Name Acc#
PRECURSOR ORF Name 24412511_f3_83 Protein name ribosomal protei Description ORF Name 24414827_f1_18 Protein name	NTID AAID	Length Length Loc Pir:F NT AA Length Length 252 759 Loc	Score Probability 373 2.6e-34 as Name Acc# 71677 F71677 score Probability 293 7.9e-26

ORF Name 24651013_c1_122	NTID AAID 3088 8310	NT AA Score Probabilit Length Length 244 1.0e-17 Locus Name Acc#	Y
Protein name			=
lipase-like protei	n	pir:A64706 A64706	•
Description			
		NT AA Score Probabilit	W.
ORF Name	<u> AAID</u>	Length Length Score Probability	<u>-X</u> .
2470802 <u></u> c1127	3089 8311	420 1263 367 1.1e-33	*
Protein name		Locus Name Acc#	
conserved hypothet protein HP1486	ical integral membi	rane pir:F64705 F6470	5
Description			
		NT AA score Probabili	
ORF Name	NTID AAID	<u>NT AA Score Probabili</u> <u>Length Length</u>	<u>cy</u>
25415626 <u></u> c3 <u></u> 23.8	3090 8312	[681 2046 371 2.4e-44	
Protein name		Locus Name Acc#	
alpha-glucosidase		gp:BTU66897 U6689	7
Description			
Bacteroides theta (susB) genes, comp	iotaomicron neopull lete cds.	ulanase (susA) andalpha-glucosidase	
		NT AA Score Probabili	ty
ORF Name	NTID AAID	Length Length	
25440900 <u>c1</u> 158	3091 8313	460 1383	
Protein name		Locus Name Acc	<u>‡</u>
Description			

		NT AA Score	Probability
ORF Name	NTID AAID		1.3e-32
25588962_±3_88	3092 8314		Acc#
Protein name	_	Locus Name	A69787
hypothetical pro	tein ydiH	pir:A69787	A09707
Description			
		NT AA Score	Probability
ORF Name	NTID AAID	Length Length	
26254813 <u></u> c3 <u></u> 253	3093 8315	290 873 89	0.0016
Protein name	`	Locus Name	Acc#
splicing regulat	tory protein SWAP home pliced, clone pFL2)	pir:A54037	A54037
Description			
	×	NT AA Score	Probability
ORF Name	NTID AAID	Length Length	
26.28.3.26.2 <u></u> £2 <u></u> 43	3094 8316	166 501	·
Protein name		Locus Name	Acc#
Description			
NO-HIT			
	<u>a.</u>	NT AA Score	Probability
ORF Name	NTID AAID	Length Length	10 3 - 40
26353388 <u>f3</u> 92	3095 8317	411 1236 425	8.1e-40
Protein name		Locus Name	Acc#
	oxyribonuclease VII la	arge pir:C75549	C75549
subunit		<u> </u>	
Description			

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ORF Name NTID AAID Length Length Score Probability 26365887_f3_86 3096 8318 335 1008 354 1.1e-41 Protein name Locus Name Acc# Sp:EFTS_MYCTU Q10788	
Description ELONGATION FACTOR TS (EF-TS)]
ORF Name NTID AAID Length Length Score Probability 26454391_c1_128 3097 8319 272 819 Locus Name Acc# Protein name Locus Name Acc#	
Description NO-HIT	
ORF Name NTID AAID Length Length Score Probability 266.00.263f384 3098 8320 130 393 318 1.8e-28 Protein name Locus Name Acc# sp:RS9_MYCTU 006259	
Description 30S RIBOSOMAL PROTEIN S9	
ORF Name NTID AAID Length Length Score Probability 2.7.5.6.3.27c220.9	7
NO-HIT	

			3.7771	70.70		
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
29407552_f1_13	3100	8322	81	246		
Protein name			<u> </u>	Locus	s Name	Acc#
Description						
NO-HIT						
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
29.745386f115	3101	8323	400	1203	624	6.6e-61
Protein name				Locus	s Name	Acc#
hypothetical prote	in RP306			pir:E7	1686	E71686
hypothetical prote	in RP306			pir:E7	1686	E71686
	in RP306		NID		1686	E71686
	in RP306	AAID	<u>NT</u> Length	pir:E7	Score	E71686 Probability
Description	NTID	<u>AAID</u> 8324	Length	AA		
Description ORF Name	NTID	1	Length	AA Length		
Description ORF Name 30160336_c2_195	NTID	1	Length	AA Length	Score	Probability
Description ORF Name 30160336_c2_195 Protein name	NTID	1	Length	AA Length	Score	Probability
Description ORF Name 30160336_c2_195 Protein name Description	NTID	1	Length	AA Length 207 Locus	Score	Probability
Description ORF Name 30160336_c2_195 Protein name Description	NTID	1	Length	AA Length	Score	Probability
Description ORF Name 30160336_c2_195 Protein name Description NO-HIT	NTID 3102	8324	Length 68 NT Length	AA Length 207 Locus	Score S Name	Probability Acc#
Description ORF Name 30160336_c2_195 Protein name Description NO-HIT ORF Name	NTID 3102	8324 AAID	Length 68 NT Length	AA Length Locus AA Length Locus AA Length	Score Score	Probability Probability
Description ORF Name 30160336_c2_195 Protein name Description NO-HIT ORF Name 31676510_f3_95	NTID 3102	8324 AAID	Length 68 NT Length	AA Length Locus AA Length Locus AA Length	Score Score 680 S Name	Probability Acc# Probability 7.7e-67

			NT	\underline{AA}	Score	Probability	
ORF Name	NTID	AAID	Length	<u>Length</u>	BCOTC		
33398425_f2_72	3104	8326	861 2	586	178	4.3e-11	
Protein name				Locus	Name	Acc#	
unknown				gp:AF00	7381	AF007381	
Description							
Flavobacterium	johnsoniae gli	ding mot	ility pro	tein (g	ldA) gene	e, complete	
cds; and unknown	genes.						_
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
3361250_f2_73	3105	8327	188	567	160	9.7e-12	
Protein name				Locu	s Name	Acc#	
RNA polymerase	sigma factor S	igZ-like	protein	gp:AF1	37263	AF137263	
Description							
Bacteroides the gene cluster, ar complete cds.	taiotaomicron nd RNA polymera	30S ribo ase sigma	osomal pr a factorS	otein S1 igZ-like	6-likepr protein	otein, fucose (sigZ) genes,	
			3.77	7.7			_
ORF Name	NTID	AAID	NT Length	<u>AA</u> Length	Score	Probability	
3.3.7226.40 <u>f3</u> _91	3106	8328	153	462	202	6.6e-15]
Protein name				Loci	ıs Name	Acc#	
subtilisin send	dai homolog		* *	pir:C	69456	C69456	
Description							
			NT	a AA	Casso	Probability	
ORF Name	NTID	AAID	Length	Length	Score		_
33.847.078 <u></u> £2 <u></u> 51	3107	8329	80	243	72	0.021	
Protein name					us Name	Acc#	
phase-1 flagel	lin	•		pir:S	33191	S33191	
Description							

ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
34105313_c2_179	3108	8330	590	773	136	4.1e-06	
Protein name		*		Locus	Name	Acc#	
11000111				sp:TONE	HELPY	O25899	
Description							
TONB PROTEIN							
			NT	AA		D b . b . l . d to . v	
ORF Name	NTID	AAID	Length	Length	Score	Probability	
34648582_f3_118	3109	8331	319	960	134	3.2e-06	
Protein name				Locus	s Name	Acc#	
transmembrane sen	sor			gp:AF0	51691	AF051691	
Description							
	inosa stres	s factor	A (psfA)	, ECF sig	gma fact	or(fiul),	
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Pseudomonas aerug transmembrane sens	or (fiuR),	and hydro	xamate-t	ypeterri	gideropii	Ole Iccobasi	
transmembrane sens (fiuA) genes, comp	or (fiuR),	and hydro	xamate-t	ypeterri		ore receptor	
transmembrane sens (fiuA) genes, comp	or (fiuR), blete cds.	and hydro	NT	AA	Score	Probability	
transmembrane sens (fiuA) genes, comp	or (fiuR),	and hydro	NT Length	<u>AA</u> Length		**	
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(fiuA) genes, comp	or (fiuR), plete cds. NTID	AAID	NT Length	AA Length		**	2
ORF Name 35312692t374	or (fiuR), plete cds. NTID	AAID	NT Length	AA Length	Score	Probability	
ORF Name 3.53126.92f374 Protein name	or (fiuR), plete cds. NTID	AAID	NT Length	AA Length	Score	Probability	
ORF Name 3.53126.92f374 Protein name Description	or (fiuR), plete cds. NTID	AAID	NT Length	AA Length 1581 Locu	Score Is Name	Probability Acc#	
ORF Name 3.53126.92f374 Protein name Description	or (fiuR), plete cds. NTID	AAID	NT Length	AA Length Locu	Score Score	Probability	
ORF Name 35312692_f3_74 Protein name Description NO-HIT	NTID NTID	AAID 8332	NT Length	AA Length Locu	Score Score	Probability Acc#	
ORF Name 35312692f374 Protein name Description NO-HIT ORF Name	NTID NTID	AAID B332 AAID	NT Length 526 NT Length	AA Length Locu AA Length Locu AA Length	Score Score	Probability Acc#	
ORF Name 3.53.126.92f374 Protein name Description NO-HIT ORF Name 3.56.25.00.7c3245 Protein name	NTID NTID	AAID B332 AAID	NT Length 526 NT Length	AA Length Locu AA Length Locu AA Length	Score Score	Probability Acc# Probability	
ORF Name 35312692_f3_74 Protein name Description NO-HIT ORF Name 35625007_c3_245	NTID NTID	AAID B332 AAID	NT Length 526 NT Length	AA Length Locu AA Length Locu AA Length	Score Score	Probability Acc# Probability	

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35944140_f3_90	3112 8334	301 906	
Protein name		Locus N	ame Acc#
PIOCEIII MANA			
Description			
NO-HIT			
		NT AA C	core Probability
ORF Name	NTID AAID	Length Length	core <u>Probability</u>
3.6.5.7.9.0.9.0c21.7.5	3113 8335	347 1044 19	2.7e-13
		Locus N	ame Acc#
Protein name	"		
hypothetical pr	rotein jhp1380	pir:G7181	3/1013
Description			
		NT AA	1.17.
ORF Name	NTID AAID	Length Length	core Probability
	3114 8336	73 222 7	9 0.0037
4095887 <u></u> ±2 <u></u> 56	5111	Locus	Name Acc#
<u>Protein name</u>			
exodeoxyribonu	clease VII, small chair	pir:JQ06	54
Description			
		7.7	
ORF Name	NTID AAID	<u>NT</u> <u>AA</u> Length <u>Length</u>	Score Probability
		470 1413 1	396 1.0e-142
4142762 <u></u> £1 <u></u> 5	3113	J └────────────────────────────────────	Name Acc#
Protein name		Locus	
		sp:SYN_S	YNY3 P52276
Description			
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Protein name	Protein name	ORF Name NIID 126-08	1
Description Sp:BLAI_STAAU P18415	Description	4379427_c3_240 3116 8338 124 373 255	J
Description REPRESSOR PROTEIN	Description REPRESSOR PROTEIN)	Protein name	
NTID AAID Length Length Score Probability	NT	sp:BLAI_STAAU P18415	
ORF Name NTID AAID Length Length Score Probability 4485312_c3_271 3117 8339 746 2241 505 5.9e-47 Protein name Locus Name Acc# Sp:NAGH_CLOPE P26831 Description NTID AAID Length Length Length ABB3507_c1_152 3118 8340 Length Length 5.8e-14 Protein name Locus Name Acc# ACC# SP:Y546_SYNY3 Q55397 Description NTID AAID Length Length Score Probability ORF Name NTID AAID Length Length Score Probability Protein name NTID AAID Length Length Score Probability Acc# S275292_L1_89 3119 B341 205 618 387 8.6e-36 Protein name Locus Name Acc# Isomerase 11ke protein Sp:ATFCAS 297340 <td> NT AA Score Probability </td> <td>Description</td> <td></td>	NT AA Score Probability	Description	
NTID AAID Length Lengt	NTID AAID Length Lengt	REPRESSOR PROTEIN)	
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Protein name	Protein name	ORF Name	7
Description Sp:NAGH_CLOFE P26831	Description Sp:NAGH_CLOPE P26831	4485312_c3_271 3117 8339 748 2241 500 L	
Description Sp:NAGN_CTOTS	Description NT AA Score Probability	Protein name	
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Description Sp:Y546_SYNY3 Q55397	Description Sp:Y546_SYNY3 Q55397	4883507_c1_152	
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HYPOTHETICAL 11.9 KD PROTEIN SLL0546 ORF Name NTID AAID NT Length Score Probability 52.7.5.2.92£389	HYPOTHETICAL 11.9 KD PROTEIN SLL0546 ORF Name NTID AAID NTID Length Score Probability 52.7.5.2.92±389	sp:Y546_SYNY3 Q55397	
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ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability	
Protein name	3120 8	342	93 2	Locus	Name	Acc#	
Description							
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ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
7.83.7.5f13	3121	3343	643	1932	957	3.4e-96	
Protein name				Locus	Name	Acc#	
				sp:BGA	_XANMN	P48982	
Description							
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BETA-GALACTOSIDASI ORF Name	NTID	AAID	NT Length	<u>AA</u> Length	Score	Probability	<u> </u>
	NTID		<u>NT</u> Length		Score	Probability	
ORF Name	NTID	AAID	<u>NT</u> Length	Length	Score s Name	Probability Acc#	
ORF Name 8.76.93.722216	NTID	AAID	<u>NT</u> Length	Length			
ORF Name 8.76.93.7c2216 Protein name	NTID	AAID	<u>NT</u> Length	Length			
ORF Name 8.76.937_c2_216 Protein name Description	NTID	AAID	<u>NT</u> Length	Length Locu AA]
ORF Name 8.76.93.7	NTID 3122	<u>AAID</u> 8344	NT Length 64	Length Locu AA	s Name	Acc# Probability]
ORF Name 8.76.93.7	NTID 3122	AAID 8344 AAID	NT Length 64 NT Length	Length Locu AA Length	s Name	Acc#]
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ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
10603388_c3_138	3124	8346	331	996	341	6.4e-31	
Protein name				Locus	Name	Acc#	
				sp:YEI	H_ECOLI	P33019	
Description				0			
HYPOTHETICAL 36.9	KD PROTEIN	IN LYSP-	NFO INTER	RGENIC RI	EGION		
			>****	7.7			
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
11882812_f3_64	3125	8347	143	132	130	1.5e-08	
Protein name				Locus	s Name	Acc#	
conserved hypothet	cical protei	n TP0412		pir:B7	1327	B71327	
Description	······································			l	······································	*	
					<u> </u>		_
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
ORF Name		<u>AAID</u> 8348	Length		Score	Probability	-
*			Length	Length	Score Score	Probability Acc#	
1204010 <u></u> c2 <u></u> 106			Length	Length			
1204010 <u></u> c2 <u>.</u> 106			Length	Length			
Protein name Description			Length	Length 123 Locus			
Protein name Description			Length	Length			
Protein name Description NO-HIT	3126 NTID	8348	Length 140 NT Length	Length Locus	s Name	Acc#	
Protein name Description NO-HIT ORF Name	3126 NTID	8348 	Length 140 NT Length	Length Locus AA Length	Score	Acc# Probability	
Protein name Description NO-HIT ORF Name 13065655	NTID	8348 	Length 140 NT Length	Length Locus AA Length	Score 1083 Name	Acc# Probability 1.5e-109	

ORF Name NTID AAID Length Length Score Probability Protein name Locus Name Acc# Description NO-HIT No-HIT AA Score Probability NO-HIT NTID AAID Length Length Probability NO-HIT NTID AAID Length Length 2.3e-177 Protein name Locus Name Acc# hypothetical protein pix:JQ1020 JQ1020 ORF Name NTID AAID Length Length Locus Name Acc# E70344 E70344 Description NTID AAID Length Length Len	ORF Name 14730313_f3_59 Protein name Description CLPB PROTEIN	NTID AAID Length Length Score Probability 3128 8350 868 2607 2435 8.2e-253 Locus Name Acc# Sp:CLPB_SYNY3 P74361	
NTID AAID Length Lengt	CLPB PROTEIN		•
No	ORF Name	Score Plobability	
NO-HIT			
ORF Name NTID AAID Length Length Score Probability 16832885_G2_116 3130 8352 431 1296 1723 2.3e-177 Protein name Locus Name Acc# hypothetical protein pir:JQ1020 JQ1020 Description NTID AAID Length Score Probability MRF Name NTID AAID Length Length 7.7e-35 Protein name Locus Name Acc# Conserved hypothetical protein aq 495 pir:E70344 E70344 Description NTID AAID Length Length Score Probability ORF Name NTID AAID Length Length 1479 1.6e-151 Protein name Locus Name Acc# hypothetical protein sir0049 pir:S74347 S74347	Description		
NTID AAID Length Locus Name Acc#	NO-HIT		
Protein name	ORF Name	NTID AAID Length Length	-
Nypothetical protein Description Descr	16832885 <u></u> c2 <u></u> 116	3130 8352 431 1296 1723 2.3e-177	
Description	Protein name	HOCUB TOMA	
ORF Name NTID AAID Length Length Score Probability 16.989.052_t2_27	hypothetical prot	ein pir:JQ1020 JQ1020	
ORF Name NTID AAID Length Length Length Froserved Protein name Locus Name Acc# Conserved hypothetical protein aq 495 pir:E70344 E70344 Description NTID AAID Length Length Score Probability 187.627tl4 3132 8354 407 1224 1.479 1.6e-151 Protein name Locus Name Acc# hypothetical protein s1r0049 pir:S74347 S74347	Description		
Protein name		NTID AAID Length Length 7.7e-35	
Conserved hypothetical protein aq 495 pir:E70344 E70344 Description	16989052 <u></u> £2 <u></u> 27	3131 8353 189 570	
ORF Name NTID AAID Length Length Score Probability 18.7.6.2.7tl4			
ORF Name NTID AAID Length Length Score Probability 18.7.6.27tl4 3132 8354 407 1224 1479 1.6e-151 Protein name Locus Name Acc# hypothetical protein slr0049 pir:S74347 S74347	conserved hypoth	etical protein aq 495 pir: E70344 E70344	
ORF Name NTID AAID Length Length Score 1100000000000000000000000000000000000	Description		
18.7.6.2.7fl4	ORF Name	Tongth Jonath	
Protein name Locus Name Acc# hypothetical protein slr0049 pir:S74347 S74347	*	3132 8354 407 1224 1479 1.6e-151	
hypothetical protein slr0049 pir:S74347 S74347			
		pir:S74347 S74347	

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			NT	<u>AA</u>	Score	Probability	
ORF Name	NTID	AAID	Length	Length			٦
19703511_c2_108	3133	3355	105	318	127	3.8e-07	_
Protein name				Locus	s Name	Acc#	
63 kDa protein				gp:MBU	73653	U73653	
Description							
Mycobacterium bo	vis 63 kDa pro	otein, 4	7 kDa pro	otein and	d clbB g	ene,complete	
			NT	AA	Score	Probability	
ORF Name	NTID	AAID	Length	<u>Length</u>			
197188_c2_95	3134	8356	243	732	113	1.0e-11	
Protein name				Locu	s Name	Acc#	
drgA protein:pro	tein slr1719:	protein	slr1719	pir:S7	5047	S75047	
Description							
0.							
			NITT	7 7 7			
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
ORF Name 2035912c3131		<u>AAID</u> 8357			Score 241	Probability 2.5e-20	_
			Length	Length			_
2035912 <u></u> c3 <u></u> 131	3135	8357	Length	Length	241 ns Name	2.5e-20	
2035912_c3_131 Protein name	3135	8357	Length	Length 633 Locu	241 ns Name	2.5e-20 Acc#	
Protein name conserved hypoth	3135	8357	Length	Length 633 Locu	241 ns Name	2.5e-20 Acc# D75341	
Protein name conserved hypoth Description	3135	8357	Length	Length 633 Locu pir:D	241 IS Name 75341 Score	2.5e-20 Acc#	. , , , , , , , , , , , , , , , , , , ,
Protein name conserved hypoth Description ORF Name	netical protei	8357	Length 210 NT	Length 633 Locu pir:D	241 IS Name 75341 Score	2.5e-20 Acc# D75341	
Protein name conserved hypoth Description ORF Name 22860128_c3_140	netical protei	8357 n <u>AAID</u>	Length 210 NT Length	Length 633 Locu pir:D	241 IS Name 75341 Score	2.5e-20 Acc# D75341 Probability	
Protein name conserved hypoth Description ORF Name	netical protei	8357 n <u>AAID</u>	Length 210 NT Length	Length 633 Locu pir:D' AA Length 252 Loc	241 IS Name 75341 Score 64 US Name	2.5e-20 Acc# D75341 Probability 0.031 Acc#	
Protein name conserved hypoth Description ORF Name 22860128_c3_140 Protein name	netical protei	8357 n <u>AAID</u>	Length 210 NT Length	Length 633 Locu pir:D' AA Length 252 Loc	241 25 Name 75341 Score	2.5e-20 Acc# D75341 Probability 0.031 Acc#	
Protein name conserved hypoth Description ORF Name 22860128_c3_140 Protein name	netical protei	8357 n <u>AAID</u>	Length 210 NT Length 83	Length 633 Locu pir:D' AA Length 252 Locu sp:SP	241 IS Name 75341 Score 64 US Name	2.5e-20 Acc# D75341 Probability 0.031 Acc#	

ORF Name 23625937_c3_130 Protein name conserved hypother Description	NTID AAID 3137 8359 Stical protein yrbF	NT AA Score Probability Length Length 4.7e-12 Locus Name Acc# pir:E69972 E69972
Description		NT AA Score Probability
ORF Name	NTID AAID	Length Length
24500082£367	3138 8360	178 537 200 5.6e-16
Protein name		Locus Name Acc#
hypothetical pro	tein SC7H2.05	pir:T35736 T35736
Description		
ORF Name 24640755_fl_22 Protein name glucose/galactos Description ORF Name 24640932_f2_30	e transporter NTID AAID	NT AA Score Probability Length Length 463 7.6e-44 Locus Name Acc# NT AA Score Probability NT Length Length Score Probability Locus Name Acc# Locus Name Acc#
Protein name Description		
NO-HIT		
ORF Name 24642312f117 Protein name peptidyl-tRNA h Description		NT Length AA Length Score Probability 189 570 357 1.3e-32 Locus Name Acc# pir:B72229 B72229
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ORF Name	NTID AAID		AA Score Length 1595	Probability 8.4e-164
24803942_f3_51	3142 8364			Acc#
Protein name			Locus Name	Acc#
			sp:RECA_BACFR	P22841
Description				
RECA PROTEIN				
		NT	AA Grana	Doubbility
ORF Name	NTID AAII		Length Score	Probability
24881300_c2_111	3143 8365	199 6	00	
Protein name			Locus Name	Acc#
Description				
NO-HIT				
ORF Name	NTID AAI	<u>NT</u> D Length	AA Length Score	Probability
ORF Name		D <u>Length</u>	- Score	Probability 9.4e-30
26594010 <u></u> c2 <u></u> 94		D Length	Length Score	
*		D Length	Length Score	9.4e-30
26594010_c2_94		D Length	Length Score Locus Name	9.4e-30 <u>Acc#</u>
Protein name Description	3144 8366	Length 234 7	Length Score Tools Name gp:AB024531	9.4e-30 <u>Acc#</u> AB024531
26594010_c2_94	3144 8366	Length 234 7	Length Score Tools Name gp:AB024531	9.4e-30 <u>Acc#</u> AB024531
Protein name Description	3144 8366	D Length 234 7 -2, -3 gene	Length Score	9.4e-30 <u>Acc#</u> AB024531
Protein name Description	3144 8366	Length 234 7 -2, -3 gene NT Length	Length Score	9.4e-30 Acc# AB024531 complete cds. Probability
Protein name Description Enterococcus serio	3144 8366 Dicida SA2F01-1, NTID AAI	Length 234 7 -2, -3 general NT Length	Length Score 105 330 Locus Name Gp:AB024531 es, partial and on the second se	9.4e-30 Acc# AB024531 complete cds. Probability 6.2e-17
Protein name Description Enterococcus serio	3144 8366 Dicida SA2F01-1, NTID AAI	Length 234 7 -2, -3 gene NT Length	Length Score	9.4e-30 Acc# AB024531 complete cds. Probability 6.2e-17 Acc#
Protein name Description Enterococcus serio ORF Name 30271025_c3_146	3144 8366 Dicida SA2F01-1, NTID AAI 3145 8367	Length 234 7 -2, -3 gene NT Length	Length Score 105 330 Locus Name Gp:AB024531 es, partial and on the second se	9.4e-30 Acc# AB024531 complete cds. Probability 6.2e-17

			NT	AA Taranth	Score	Probability	
ORF Name	NTID	AAID	<u>Length</u>	Length			
30519457_£2_29	3146	8368	196 5	91			
Protein name	-			Locus	Name	Acc#	
Description							
NO-HIT							
			NT	AA		_ 1 1 1 7 1 1	
ORF Name	NTID	AAID	Length	<u>Length</u>	Score	Probability	
31417187 <u></u> c1 <u></u> 81	3147	8369	261	786			
Protein name	,			Locus	Name	Acc#	
Description							
NO-HIT		······································			1		
			NET	λλ			
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
ORF Name 33401011c180		<u>AAID</u> 8370	Length		Score	Probability	
			Length	Length	Score S Name	Probability Acc#	
33401011_c1_80			Length	Length		,-	
33401011 <u></u> c1 <u></u> 80			Length	Length		,-]
Protein name Description			Length	Length 216 Locus		,-]
Protein name Description NO-HIT			Length	Length		,-]
Protein name Description NO-HIT ORF Name	3148 NTID	8370	Length 71 NT	Length Locus	s Name	Acc#	
Protein name Description NO-HIT ORF Name 4010927c2105	3148 NTID	8370	Length 71 NT Length	Length Locus AA Length	Score	Acc# Probability	
Protein name Description NO-HIT ORF Name 4010927_c2_105 Protein name	NTID	8370	Length 71 NT Length	Length Locus AA Length	Score 103 s Name	Acc# Probability 0.022	
Protein name Description NO-HIT ORF Name 4010927c2105	NTID	8370	Length 71 NT Length	Length Locus AA Length 1023 Locus	Score 103 s Name	Acc# Probability 0.022 Acc#	

ORF Name	NTID AAID Length Length Score Probability	
426337_f1_7	3150 8372 113 342 106 6.0e-06	
Protein name	Locus Name Acc#	
RNA polymerase sig	ma factor SigZ-like protein gp:AF137263 AF137263	
Description		
Bacteroides theta gene cluster, and complete cds.	iotaomicron 30S ribosomal protein S16-likeprotein, fucose RNA polymerase sigma factorSigZ-like protein (sigZ) genes,	
	NT AA Score Probability	_
ORF Name	NTID AAID Length Length	
4720311_f3_48	3151 8373 198 597	
Protein name	Locus Name Acc#	
Description		
NO-HIT		
	NT AA Score Probability	
ORF Name	NTID AAID Length Length	
ORF Name 48.06.587	NTID AAID Length Length Score Probability	
	NTID AAID Length Length Score Probability	
4806587 <u></u> c3 <u></u> 124	NTID AAID Length Length Score Probability 3152 8374 280 843 217 1.7e-17	
A806587_c3_124Protein name Description	NTID AAID Length Length Score PIODADIIITY 3152 8374 280 843 217 1.7e-17 Locus Name Acc# Sp:YJJU_ECOLI P39407	
A806587_c3_124Protein name Description	NTID AAID Length Length Score Probability 3152 8374 280 843 217 1.7e-17 Locus Name Acc#	
A806587_c3_124Protein name Description	NTID AAID Length Length 3152 8374 280 843 217 1.7e-17 Locus Name Acc# Sp:YJJU ECOLI P39407 NT AA Score Probability	
A806587_c3_124Protein name Description	NTID AAID Length Length Score Probability Locus Name Acc# Sp:YJJU_ECOLI P39407 RD PROTEIN IN OSMY-DEOC INTERGENIC REGION (0357) NTID AAID Length Length Score Probability	
Protein name Description HYPOTHETICAL 39.8	NTID AAID Length Length Score Probability 1.7e-17	-
Protein name Description HYPOTHETICAL 39.8	NTID AAID Length Length 1.7e-17	
Protein name Description HYPOTHETICAL 39.8 ORF Name 48.78506	NTID AAID Length Length Score Probability 1.7e-17]
Protein name Description HYPOTHETICAL 39.8 ORF Name 48.78.506	NTID AAID Length Length 1.7e-17	

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	MITTE	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
ORF Name	NTID			345	124	9.4e-08
4973765_£1_8	3154	8376			s Name	Acc#
Protein name						AF121849
SigG				gp:AF1	21649	
Description					otein der	nes complete
Synechococcus PCC cds.	7002 SigG (s	igG) and	hypothet	cicar pro	Jein ger	icb/comp200
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
5281562_c3_126	3155	8377	542	1629	186	1.1e-09
Protein name				Locu	s Name	Acc#
putative secreted	protein			gp:SC4	A7	AL133423
Description						
Streptomyces coel	icolor cosm	id 4A7.			*	;
	icolor cosm	id 4A7.	N'T	AA	Score	Probability
	icolor cosm	AAID	<u>NT</u> Length	<u>AA</u> Length		
Streptomyces coel	NTID			Length	372	3.3e-34
Streptomyces coel	NTID	AAID	Length	Length 909 Loca	372 us Name	3.3e-34 Acc#
ORF Name 812533_G2_112	<u>NTID</u>	<u>AAID</u> 8378	Length	Length	372 us Name	3.3e-34
ORF Name 812533_c2_112	<u>NTID</u>	<u>AAID</u> 8378	Length	Length 909 Loca	372 us Name	3.3e-34 Acc#
ORF Name 812533c2112 Protein name transcription reg	<u>NTID</u>	<u>AAID</u> 8378	Length	Length 909 Loca	372 us Name 70356	3.3e-34 Acc# F70356
ORF Name 812533c2112 Protein name transcription reg	<u>NTID</u>	<u>AAID</u> 8378	Length	Length 909 Loca pir:F	372 us Name 70356	3.3e-34 <u>Acc#</u> F70356 Probability
ORF Name 812533C2112 Protein name transcription reg Description	NTID 3156 Julator LysR NTID	AAID 8378 family	Length 302 NT	Length 909 Loca pir:F	372 us Name 70356	3.3e-34 Acc# F70356
ORF Name 812533C2112 Protein name transcription reg Description ORF Name	NTID 3156 Julator LysR NTID	AAID 8378 family AAID	Length 302 NT Length	Length Pir:F AA Length	372 us Name 70356	3.3e-34 Acc# F70356 Probability 2.1e-12 Acc#
ORF Name 812533c2112 Protein name transcription reg Description ORF Name	NTID 3156 Fulator LysR NTID	AAID 8378 family AAID 8379	Length 302 NT Length	Length Pir:F AA Length 1017	372 18 Name 70356 Score 171	3.3e-34 Acc# F70356 Probability 2.1e-12

		$\underline{\text{NT}}$	AA Sc	ore Pro	bability	
ORF Name	NTID AAID	Length	<u>Length</u>			
976536_£3_65	3158 8380	202 60	208	8 8	.0e-17	
Protein name			Locus Na	ame	Acc#	
probable ribosomal	protein L25		pir:H71665	5	H71665	
Description						
		NT	AA G		111-1	_
ORF Name	NTID AAID	<u>Length</u>	Length Sc	core Pro	bability	
995461 <u></u> c190	3159 8381	108 3	27 80		0.036	
Protein name			Locus Na	ame	Acc#	
dihydrofolate redu	ictase, / thymidylat	.e	pir:T0168	4	T01684	
synthase,						
Description						
		NT	AA c	Dec.	obability	
ORF Name	NTID AAID	Length	Length S	core Pro	Sparificy	
10735002_c2_18	3160 8382	195 5	17	77	1.5e-13]
Protein name			Locus N	<u>lame</u>	Acc#	
RNA polymerase si	gma factor SigZ-like	e protein	gp:AF1372	263	AF137263	
Description					* · · · · · · · · · · · · · · · · · · ·	
Bacteroides theta gene cluster, and complete cds.	iotaomicron 30S rib RNA polymerase sigm	osomal pro a factorsi	otein S16-l igZ-like pr	ikeprotei otein (si	n, fucose LgZ) genes,	
		NT	AA S	Score Pr	obability	
ORF Name	NTID AAID	<u>Length</u>	<u>Length</u>		0.00	_
12395950 <u></u> .t2 <u></u> 2	3161 8383	132		~	2.2e-05	ل
Protein name			Locus 1		Acc#	
hypothetical prot	ein F14F9.5		pir:T337	74	T33774	
Description						

	NT AA Score Probability
ORF Name NTID AAID	Length Length [1.2e-57]
12689712_f3_9 3162 8384	612 1630 500
Protein name	Locus Name Acc#
115K outer membrane protein precursor: protein	SusC pir:JC6027 JC6027
Description	
ORF Name NTID AAID	NT AA Score Probability Length Length
20524150 <u>t23</u>	385 1158 144 3.0e-06
Protein name	Locus Name Acc#
probable phosphoesterase, yvnB	pir:C70044 C70044
Description	
ORF Name MIID AAID 4100877£38	NT AA Length Length Score Probability 338 1017 117 0.00031 Locus Name Acc# gp:AF051691 AF051691 A (psfA), ECF sigma factor(fiul), examate-typeferrisiderophore receptor
(fiuA) genes, complete cds.	
ORF Name NTID AAID 31.726.56.7c111	NT AA Score Probability Length Length 450 1.8e-42
Protein name	Locus Name Acc#
mobilization protein C	gp:AF118243 AF118243
Description	
Bacteroides fragilis mobilization pro	otein C (mobC) gene, completecds.

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NT AA Score Probability ORF Name NTID AAID Length Length
ORF Name N112 101 1206 1464 16.0e-44
5135158_c1_10
Protein name
mobilization protein C
Description (mob() gene. completecds.
Bacteroides fragilis mobilization protein C (mobC) gene, completecds.
ORF Name NTID AAID Length Length Score Probability
7112683_f3_6 3167 8389 216 651 1024 2.7e-103
Protein name Locus Name Acc#
mobilization protein B gp:AF118242 AF118242
Description
Bacteroides fragilis mobilization protein B (mobB) gene, completecds.
NT AA Score Probability
ORF Name NTID AAID Length Length
10.9.72160t319.4
7000 1000 1000 1241 1.3e-17
10.9.7.216.0£319.4
10.9.7.216.0t3194
10.9.7.216.0t319.4
10.9.72160f3194 3168
10.9.7.216.0f3194
Description Description
10.9.7.2160t3194 3168 8390 439 1320 241 1.3e-17
109.72160t3194 3168 8390 439 1320 241 1.3e-17
10.9.7.2160t3194 3168 8390 439 1320 241 1.3e-17

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		NT AA Score	Probability
ORF Name	NTID AAID	Length Length ———	
1173187_c3_347	3170 8392	115 348 90	0.011
Protein name		Locus Name	Acc#
hypothetical prote	ein, MAL1P3.07	gp:PFMAL1P3	AL031746
Description		4	
Plasmodium falcip	arum MAL1P3, complete	sequence.	
		NT AA SGORA	Probability
ORF Name	NTID AAID	Length Length Score	
1178325_c2_265	3171 8393	418 1257	
Protein name		Locus Name	Acc#
Description			
NO-HIT			
		77	
ORF Name	NTID AAID	NT AA Score	Probability
		— Score	Probability
ORF Name		Length Length Score	Probability Acc#
ORF Name 11926083c3_33.7 Protein name		Length Length Score	
ORF Name 11926.083c333.7		Length Length Score	
ORF Name 11926083_c3_33.7 Protein name Description		Length Length 103 312 Locus Name	Acc#
ORF Name 11926083_c3_33.7 Protein name Description		Length Length Score	
ORF Name 11926.083c333.7 Protein name Description NO-HIT	NTID AAID	Length Length Locus Name NT AA Score	Acc#
ORF Name 11926.083c333.7 Protein name Description NO-HIT ORF Name	NTID AAID	Length Length Locus Name NT AA Length Length 261 786 276 Locus Name	Acc# Probability 5.0e-24 Acc#
ORF Name 11926083c333.7 Protein name Description NO-HIT ORF Name 12501567f155	NTID AAID	Length Length 103 312 Locus Name NT AA Length Length Score 261 786 276	Acc# Probability 5.0e-24

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ORF Name	NTID AAID	NT Length L	AA Score Length	Probability
134687_c1_221	3174 8396	105 318	304	5.4e-27
Protein name			Locus Name	Acc#
		[sp:THIM_PEA	
Description				
	, CHLOROPLAST PRECU	JRSOR (TRX-)	М)	
		NUD	AA G	
ORF Name	NTID AAID	<u>NT</u> Length I	Length Score	Probability
13946017 c3_360	3175 8397	443 13	32 481	9.4e-46
		J [Locus Name	Acc#
Protein name hypothetical prote	in clr2013		pir:S75346	S75346
nypothetical proce	III DILLOTO			
Description				
		NT	AA Grana	
ORF Name	NTID AAID		Length Score	Probability
14256505t2120	3176 8398	288 86	148	5.5e-07
		_	Locus Name	Acc#
<u>Protein name</u>			gp:U93872	U93872
			DF -	· ·
Description		a =		plication
Kaposi's sarcoma- protein, glycoprote	associated herpesvi	rus glycop: n protein.	rotein M, DNAre FLICEinhibitor	y protein and
protein, glycoprot	ein, DNA reprication mplete cds, and teg	gumentprote:	in gene, partia	l cds.
V-Cyclin genes, co	p.1000 1,			
	±	NT	AA Score	Probability
ORF Name	NTID AAID	Length	Length -	
14460760£3196	31.77 8399	240 7	23 369	1.2e-32
Protein name			Locus Name	Acc#
hypothetical prot	ein mexF		pir:T30830	T30830
Description				

	-	$NT \qquad AA$	Score	Probability
ORF Name	NTID AAID	Length Length	50010	
14657131_£1_33	3178 8400	662 1989		- "
Protein name		Locu	ls Name	Acc#
Description				
NO-HIT				
ORF Name	NTID AAID	<u>NT</u> <u>AA</u> Length Length	Score	Probability
15032952£2122		931 2796]	
Protein name] [Loc	us Name	Acc#
Description	Ž			12.7
NO-HIT			1	
ORF Name	NTID AAID	<u>NT</u> <u>AA</u> Length Length	Score	Probability
15760268£2101	3180 8402	441 1326	343	4.0e-31
Protein name	J	Loc	us Name	Acc#
YvrN protein		gp:BS	43KBDNA	AJ223978
Description				,
Bacillus subtilis	42.7kB DNA fragmer	it from yvsA to y	vqA.	
		NT AA	Score	Probability
ORF Name	NTID AAID	Length Lengt		2.8e-11
16836055 <u>f2</u> 102	3181 8403	245 738	170	
Protein name '			cus Name	Acc# H70792
hypothetical prote	ein Rv3695	pir:	H70792	
Description				

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		NT AA	Score	Probability
ORF Name	NTID AAID	Length Lengt	-	
16898412_£2_98	3182 8404	602 1809	114	0.00099
Protein name		Loc	us Name	Acc#
		sp:Yl	EC_SYNP2	P19737
Description				
HYPOTHETICAL 28.7	KD PROTEIN IN RECA	3'REGION		
1111 0111111111111111111111111111111111				
ORF Name	NTID AAID	<u>NT</u> <u>AA</u> Length <u>Leng</u> t	h Score	Probability
17009642 c3_357	3183 8405	236 711	239	4.1e-20
Protein name	<u> </u>	Lo	cus Name	Acc#
rprY protein		pir:	33662	S33662
Description				
Deberration				
ORF Name	NTID AAID	<u>NT</u> <u>AA</u> Length Lengt	h Score	Probability
ORF Name 19589387t3190			Score 113	Probability 0.00018
19589387 <u></u> £3 <u></u> 190		Length Lengt	<u>h</u>	
19589387 <u>190</u>		Length Lengt	113	0.00018
19589387 <u>190</u> Protein name pXO2-46		Length Lengt	III3 Cus Name	0.00018 Acc#
19589387f3190 Protein name pXO2-46 Description	3184 8406	Length Length 251 756 Lo gp:A	III3 Cus Name	0.00018 Acc#
19589387f3190 Protein name pXO2-46 Description		Length Length 251 756 Lo gp:A	III3 Cus Name	0.00018 Acc#
19589387f3190 Protein name pXO2-46 Description	3184 8406 s plasmid pXO2, cor	Length Length 251 756 Lo gp:A mplete sequence.	Ill3 Cus Name F188935	0.00018 Acc#
19589387f3190 Protein name pXO2-46 Description	model in the state of the state	Length Length 251 756 Lo gp:A mplete sequence. NT AA Length Leng	T13 Cus Name F188935 th Score	0.00018 Acc# AF188935 Probability
Protein name pX02-46 Description Bacillus anthracis	myrid pxO2, cor	Length Length 251 756 Lo gp:A mplete sequence. NT AA Length Leng 165 1098	113 Cus Name F188935 th Score	0.00018 Acc# AF188935 Probability 3.1e-14
Protein name PXO2-46 Description Bacillus anthracis	myrid pxO2, cor	Length Length 251 756 Lo gp:A mplete sequence. NT AA Length Leng 365 1098	T13 Cus Name F188935 th Score 206 Cus Name	0.00018 Acc# AF188935 Probability 3.1e-14 Acc#
Protein name pX02-46 Description Bacillus anthracis ORF Name 20508312_t1_39	3184 8406 s plasmid pXO2, cor NTID AAID 3185 8407	Length Length 251 756 Lo gp:A mplete sequence. NT AA Length Leng 365 1098	113 Cus Name F188935 th Score	0.00018 Acc# AF188935 Probability 3.1e-14

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ORF Name NTID AAID Length Length Score Probability 213340_c3_358 3186 8408 353 1062 114 0.00085 Protein name Locus Name Acc# Sp:Y876_METJA Q58286]
Description PUTATIVE ABC TRANSPORTER PERMEASE PROTEIN MJ0876	
ORF Name NTID AAID Length Length Length 21494031_f2_111 Protein name NTID AAID Length Len	
Description NO-HIT	
ORF Name NTID AAID Length Length Score Probability 216.7.6.5.32f318.0]
(UMP KINASE) (SMBA PROTEIN) NT AA Grave Probability	
ORF Name NTID AAID Length Length Score FloatsTITS 2176.9782t3135	
Protein name Description NO-HIT	1

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ORF Name 22666577_cl_234 Protein name	NTID AAID Length Length Score Probabil 3190 8412 207 624 76 0.024 Locus Name Access probabil sp:E311_ADE03 P11	c#
Description EARLY E3 9.0 KD (LYCOPROTEIN	
ORF Name	NT AA Score Probabi NTID AAID Length Length 85 258	lity
Protein name		cc#
Description NO-HIT		
ORF Name 23551325f3183 Protein name		ility cc#
Description		
NO-HIT		

Protein name	ORF Name	NTID AAID	NT AA Score	Probability
Description Description		3194 8416	433 1302 118	0.00066
Description Protein name NTID AAID Length Len			Locus Name	Acc#
Vibrio cholerae ADP-L-glycero-D-mannoheptose-6-epimerase (rfaD)gene, complete cds. NT	11000111		gp:VCU47542	U47542
Vibrio cholerae ADP-L-glycero-D-mannoheptose-6-epimerase (rfab)gene, complete cds. NT AA Score Probability ORF Name NTID AAID Length Length Score Probability 23650288_f1_68 3195 8417 361 1086 327 2.0e-29 Protein name Locus Name Acc# C70415 C70415 C70415 Description NTID AAID Length Length Score Probability Protein name Locus Name Acc# Description NO-HIT Length Length Length Probability ORF Name NTID AAID Length Length Probability ORF Name NTID AAID Length Length Probability ORF Name NTID AAID Length Length Acc# Description NTID AAID Length Length Acc#	Description			
NTID AAID Length Lengt	Vibrio cholerae A	DP-L-glycero-D-manno	heptose-6-epimerase (rfal))gene,
NTID AAID Length Length Score From				
Protein name	ORF Name	NTID AAID	Score	Probability
Description	23650288_£1_68	3195 8417	361 1086 327	2.0e-29
Description	Protein name		Locus Name	Acc#
ORF Name NTID AAID Length Length Score Probability 23937750_c2_282	cation efflux sys	tem (czcB-like)	pir:C70415	C70415
ORF Name NTID AAID Length Length Score Probability 23.93.7.7.50c2282 3196 8418 67 204 Locus Name Acc# Protein name NO-HIT ORF Name NTID AAID Length Length Score Probability 23.96.65f157 3197 8419 66 201 Protein name Locus Name Acc# Description	Description			
ORF Name NTID AAID Length Length Items			NT AA a	Drobability
Protein name Locus Name Acc# Description NO-HIT NT AA Score Probability ORF Name NTID AAID Length Length Length Length Length 23.96.65_f1_57 3197 8419 66 201 Protein name Locus Name Acc# Description	ORF Name	NTID AAID		PIODADITICY
Description	23.93.7.7.5.0c228.2	3196 8418	67 204	
NO-HIT NT AA Score Probability ORF Name NTID AAID Length Length Probability 2396.65_f1_57 3197 8419 66 201 Protein name Locus Name Acc# Description	Protein name		Locus Name	Acc#
ORF Name NTID AAID Length Length Score Probability 23.96.65f1_57	Description			
ORF Name NTID AAID Length Length Score Probability 2396.65_f1_57 3197 8419 66 201 Protein name Locus Name Acc# Description	NO-HIT			
2396.65_f1_57			— Score	Probability
Protein name Description Description	ORF Name	NTID AAID	Length Length	9
Description Description	23.96.65£157	3197 8419		* * * * *
	Protein name		Locus Name	ACC#
NO-HIT	Description			
	NO-HIT			

ORF Name NTID AAID Length Length	ty
24015635_f2_126 3198 8420 116 351 Protein name Locus Name Acc	<u>#</u>
Description	
NO-HIT	
ORF Name NTID AAID Length Length	
24016077 <u>f138</u> 3199	
Protein name Locus Name Acc sp:Y793_METJA Q582	-
Description HYPOTHETICAL PROTEIN MJ0793	· .
7.7	
ORF Name NTID AAID Length Length	*
24097562_c3_3453200 8422 270 813 283 2.6e-4	
Protein name Locus Name Acc	
DNA polymerase gp:AF083949 AF08	83949
Description Description	tion
Treponema denticola DNA gyrase subunit B (gyrB) and chromosomalreplication initiator protein (dnaA) genes, complete cds; and DNApolymerase (dnaE) partial cds.	gene,
NT AA Score Probabi	lity
ORF Name NTID AAID Length Length	
2426.16.2./	c#
Protein name	_
Description	
NO-HIT	

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ORF Name NTID AAID Length Length Probability
24423426_c3_338 3206 8428 445 1338 149 7.7e-08
Protein name Locus Name Acc#
laminarinase gp:AF047003 AF047003
Description
Rhodothermus marinus strain ITI278 laminarinase (lamR) gene, complete cds.
NT AA Score Probability
ORF Name NTID AAID Length Length
24489377_£3_175 3207 8429 149 450 134 5.5e-09
Protein name Locus Name Acc#
hypothetical protein SC2E1.19 SC2E1.19 pir:T34787 T34787
Description
NT AA Grana Probability
ORF Name NTID AAID Length Length
24640642 <u>13</u> 176
Protein name Locus Name Acc#
MmcQ gp:AF127374 AF127374
Description
Streptomyces lavendulae LinA homolog, cytochrome P450 hydroxylaseORF4, cytochrome P450 hydroxylase ORF3, MitT (mitT), MitS (mitS), MitR (mitR), MitQ (mitQ), MitP (mitP), MitO (mitO), MitN (mitN), MitM (mitM), MitL (mitL), MitK (mitK), MitJ (mitJ), MitI (mitI), MitH (mitH), MitG (mitG), MitF (mitF), MitE (mitE), MitD (mitD), MitC (mitC), MitB (mitB), MitA (mitA), MmcA (mmcA), MmcB
NT AA Score Probability
ORF Name NTID AAID Length Length
24648427_c3_3393209 8431 232 699 118 0.00012
Protein name Locus Name Acc#
Conserved hypothetical protein pir:A72220 A72220
conserved hypothetical protein pir:A72220 A72220

	NTID AAID	<u>NT</u> <u>AA</u> Length Length	Score Probability
ORF Name			897 7.8e-90
24883260_t2_130	3210 8432	Locus	Name Acc#
Protein name	- Cagr		
acriflavin resistan	ce protein D (acid) KIII	, 2 .
Description			
		NT AA	Score Probability
ORF Name	NTID AAID	Length Length	359 7.0e-32
24884633 <u></u> c1 <u></u> 240	3211 8433	186 561	*
Protein name			Name Acc#
immunoreactive 89kl	O antigen PG87	gp:AF17	5722 AF175722
Description			
	ivalis strain W50	immunoreactive 89k	D antigenPG87 gene,
complete cds.			
_			
ORF Name	NTID AAID	NT AA Length Length	Score Probability
	· · · · · · · · · · · · · · · · · · ·		Score Probability 117 0.00071
ORF Name	· · · · · · · · · · · · · · · · · · ·	Length Length 525 1578	10.00071
ORF Name 25501562t2125 Protein name	3212 8434	Length Length 525 1578	0.00071 S Name Acc#
ORF Name 25501562t2125 Protein name beta-1,4-galactosy Description	3212 8434 Itransferase IV	Length Length 525 1578 Locus	117 0.00071 S Name Acc# 24436 AB024436
ORF Name 25501562t2125 Protein name beta-1,4-galactosy Description	3212 8434 Itransferase IV	Length Length 525 1578 Locus	117 0.00071 S Name Acc# 24436 AB024436
ORF Name 25501562t2125 Protein name beta-1,4-galactosy Description	3212 8434	Length Length 525 1578 Locus	117 0.00071 s Name Acc# 24436 AB024436 IV, completecds.
ORF Name 25501562t2125 Protein name beta-1,4-galactosy Description	3212 8434 Itransferase IV	Length Length 525 1578 Locus gp:AB0	117 0.00071 s Name Acc# 24436 AB024436
ORF Name 25501562t2125 Protein name beta-1,4-galactosy Description Homo sapiens mRNA	in 3212 8434 Itransferase IV for beta-1,4-galace NTID AAID	Length Length 525 1578 Locus gp:AB0 ctosyltransferase	117 0.00071 S Name Acc# 24436 AB024436 IV, completecds. Score Probability
ORF Name 25501562f2125 Protein name beta-1,4-galactosy Description Homo sapiens mRNA ORF Name	in 3212 8434 Itransferase IV for beta-1,4-galace NTID AAID	Length Length 525 1578 Locus gp:AB0 stosyltransferase NT AA Length Length 74 225	117 0.00071 s Name Acc# 24436 AB024436 IV, completecds.
ORF Name 25501562f2125 Protein name beta-1,4-galactosy Description Homo sapiens mRNA ORF Name 25548463f130	in 3212 8434 Itransferase IV for beta-1,4-galace NTID AAID	Length Length 525 1578 Locus gp:AB0 stosyltransferase NT AA Length Length 74 225	117 0.00071 S Name Acc# 24436 AB024436 IV, completecds. Score Probability
ORF Name 255.015.62f2125 Protein name beta-1,4-galactosy Description Homo sapiens mRNA ORF Name 25548463f130 Protein name	in 3212 8434 Itransferase IV for beta-1,4-galace NTID AAID	Length Length 525 1578 Locus gp:AB0 stosyltransferase NT AA Length Length 74 225	117 0.00071 S Name Acc# 24436 AB024436 IV, completecds. Score Probability

ORF Name	NTID AAID	NT AA Score Probability Length Length
26370888_£3_148	3214 8436	155 468 239 4.1e-20
Protein name		Locus Name Acc#
conserved hypotheti	cal protein ydiB	pir:C69786 C69786
Description		
		NT AA Score Probability
ORF Name	NTID AAID	Length Length
26594677 <u></u> £2 <u>.</u> .121	. 3215 8437	531 1596 644 3.9e-73
Protein name		Locus Name Acc#
		sp:DNAK_HALMA Q01100
Description		
DNAK PROTEIN (HEAT	SHOCK PROTEIN 70)	(HSP70)
	NTID AAID	NT AA Score Probability Length Length
ORF Name		417 1254 115 0.0012
26.66.0.812t160	5210	Locus Name Acc#
Protein name		gp:AF192766 AF192766
Description		
	rain Ael0 enteroto	kin mRNA, complete cds.
50011201		NT AA
ORF Name	NTID AAID	Length Length Score Probability
29511526 <u></u> c1 <u></u> 220	3217 8439	1072 3219 1446 1.3e-170
Protein name		Locus Name Acc#
		sp:DP3A_BORBU 051526
Description		
DNA POLYMERASE II		

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		NT AA Score Probability
ORF Name	NTID AAID	Length Length
31837701_f1_18	3218 8440	273 822 563 1.9e-54
Protein name		Locus Name Acc#
conserved hypothetic	cal protein MTH606	pir:E69180 E69180
Description		
		NT AA Score Probability
ORF Name	NTID AAID	Length Length Score Probability
32141338 <u></u> c2 <u></u> 260	3219 8441	86 261
Protein name		Locus Name Acc#
Description		
NO-HIT		
ORF Name	NTID AAID	NT AA Score Probability Length Length
32297293 <u></u> c2 <u>274</u>	3220 8442	149 450 444 7.8e-42
Protein name	. 1	Locus Name Acc#
		gp:PGPGAAGEN X95938
Description		
P.gingivalis rnhB &	pgaA genes & orf:	s 150, 197, 202 & 199.
ORF Name	NTID AAID	NT AA Score Probability Length Length
338.76.06.7c3 <u></u> 35.9	3221 8443	430 1293
Protein name		Locus Name Acc#
Description		
NO-HIT		

ORF Name NTID AAID Length Length Score Probability	
34254387_c1_219 3222 8444 88 267	
Protein name Locus Name Acc#	
Description	7
NO-HIT	
ORF Name NTID AAID Length Length Score Probability	
34492925c3340	
Protein name Locus Name Acc#	
Description	_
NO-HIT	
NT AA Score Probability	
ORF Name NTID AAID Length Length	
3.6.1.2.0.8.4.2	
3.6.1.2.0.8.4.2	
36120842_c3_3693224 8446 65 198 107 7.7e-05	2
3.6.1.2.0.8.4.2	
3.6.1.2.0.8.4.2	
36.120.842_c3_36.9	
36120842_c3_369 3224 8446 65 198 107 7.7e-05 Protein name	
36120842c3369	
36120842_c3_369 3224 8446 65 198 107 7.7e-05 Protein name	
36120842_c3_369	

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ORF Name	NTID AAID	NT AA Score	Probability
36525287_±3_186	3226 8448	311 936 546	1.2e-52
Protein name		Locus Name	Acc#
conserved hypothet	ical protein	pir:A72219	A72219
Description			
		NT AA Score	Probability
ORF Name	NTID AAID	Length Length	
3937775 <u>_</u> c2 <u>_</u> 311	3227 8449	1065 3198 468	4.9e-83
Protein name		Locus Name	Acc#
115K outer membra	ne protein precursor	:SusC pir:JC6027	JC6027
Description			
DCBC21p			
ORF Name	NTID AAID	NT AA Score Length Length	Probability
3.944150 <u>f282</u>	3228 8450	143 432	
Protein name		Locus Name	Acc#
Description			
NO-HIT		:	9004
		NT AA	
ORF Name	NTID AAID	NT AA Score Length Length	Probability
39663590 <u></u> c1 <u>241</u>	3229 8451	73 222 133	1.3e-07
Protein name		Locus Name	Acc#
immunoreactive 85	kD antigen PG87	gp:AF175722	AF175722
Description		*	
Porphyromonas gir complete cds.	ngivalis strain W50	immunoreactive 89kD anti	LgenPG87 gene,
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ORF Name	NTID	AAID	<u>NT</u> Length	AA Length	Score	Probability	
4031501_c2_281 Protein name	3230	8452	66 [2	Locus	: Name	Acc#	
Description							
NO-HIT							
ORF Name	NTID	AAID	<u>NT</u> <u>Length</u>	<u>AA</u> Length	Score	Probability	
4116566f3158 Protein name	3231	8453	240	Locus	s Name	Acc#	
Description						-	
NO-HIT						*	
			NT	AA	Score	Probability	
ORF Name	NTID	AAID	Length	Length	-		
422157 <u></u> f3 <u></u> 177	3232	8454	451	1.356	100	0.00074	
Protein name				Locus	s Name	Acc#	
microbial collager	nase, precu	rsor:Cog	protein	pir:JC	4393	JC4393	
Description							
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
4492787 <u></u> c3 <u></u> 3.62	3233	8455	339	1020	212	4.6e-17	
Protein name				Locu	s Name	Acc#	
				sp:APX	_STRGR	P80561	
Description						·	
AMINOPEPTIDASE, (SGAP)						

		NT AA Score Probability	
ORF Name	AAID AAID	Length Length	
4725938_f3_171	3234 8456	239 720 229 4.8e-19	
Protein name		Locus Name Acc#	
		sp:PSS_HELPY	
Description			
(PHOSPHATIDYLSE	RINE SYNTHASE)]
		7.7	
ORF Name	NTID AAII	NT AA Score Probability Length Length	
4869802_f3_170	3235 8457	231 696 372 3.3e-34	
Protein name		Locus Name Acc#	
unknown		gp:NGU34760 U34760	
Description			
Neisseria gono	rrhoeae UvrA (uvrA)	and ORF259 genes, complete cds.	×
ORF Name	NTID AAI	NT AA Score Probability Length Length	
ORF Name		Score Probability	
496.4782 <u></u> c2 <u></u> 3.03		D Length Length Score Probability	
4964782_c2_303 Protein name	3236 8458	D Length Length Score Probability 503 [1512 [1227 [8.3e-125]]	2
4964782_c2_303 Protein name immunoreactive		Length Length Score Probability 503 1512 1227 8.3e-125 Locus Name Acc#	2
4964782_c2_303 Protein name immunoreactive Description	3236 8458 89kD antigen PG87	Length Length Score Probability	2
4964782_c2_303 Protein name immunoreactive Description	3236 8458 89kD antigen PG87	Length Length Score Probability 503 1512 1227 8.3e-125 Locus Name Acc#	2
Protein name immunoreactive Description Porphyromonas	3236 8458 89kD antigen PG87	Length Length Score Probability	2
Protein name immunoreactive Description Porphyromonas complete cds.	3236 8458 89kD antigen PG87	Length Length Length Length Locus Name Acc# Gp:AF175722 AF175722 AF175722 NT AA Score Probability	2
Protein name immunoreactive Description Porphyromonas	3236 8458 89kD antigen PG87 gingivalis strain W5	Length Length 503 1512 1227 8.3e-125	2
Protein name immunoreactive Description Porphyromonas complete cds. ORF Name	3236 8458 89kD antigen PG87 gingivalis strain W5	Length Length Length Length Locus Name Locus Name Acc# Sp:AF175722 AF175722 AF175722 AF175722 Length Length Length Score Probability D Length Length AA Score Probability	2
Protein name immunoreactive Description Porphyromonas complete cds. ORF Name 5332187c1236 Protein name	3236 8458 89kD antigen PG87 gingivalis strain W5 NTID AAI	Length Length Score Probability	2
Protein name immunoreactive Description Porphyromonas complete cds. ORF Name	3236 8458 89kD antigen PG87 gingivalis strain W5 NTID AAI	Length Length Score Probability	2

ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
547525_c2_291	3238	8460	339	1020	311	9.7e-28	
Protein name			L	Locus	Name	Acc#	
hypothetical prote	in slr1478			pir:S756	94	S75694	
Description							
Descriper							
ORF Name	NTID	AAID	<u>NT</u> Length	AA Length	Score	Probability	
831250 <u>c1242</u>	3239	8461	892	2679		2.0	
Protein name				Locus	Name	Acc#	
Description							
NO-HIT							7
110-1111			NIII	2.7			
ORF Name	NTID	AAID	<u>NT</u> Length		Score	Probability	
988.762 <u></u> c3 <u></u> 3.56	3240	8462	474		282	2.2e-23	
Protein name	•			Locus		Acc#	
RprX				gp:S590	00	S59000	
Description							_
•,,							ل
			NT	AA	Score	Probability	
ORF Name	NTID	AAID	Length	<u>Length</u>			
11020692 <u></u> c2101	3241	8463	213	642	233	7.0e-18	
Protein name					Name	Acc#	
hypothetical prot	ein			pir:A75	613	A75613	
Description							
			NT	AA		Probability	
ORF Name	NTID	AAID	Lengt!	h <u>Length</u>	Score	Propapiticy	
11754512 <u></u> £3 <u>67</u>	3242	8464	98	297		*	
Protein name				Locus	Name	Acc#	
Description							 -
NO-HIT							

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ORF Name	NT AA Score Probability NTID AAID Length Length	
11907801_c2_106	3243 8465 524 1575	
Protein name	Locus Name Acc#	
Description		
NO-HIT		
ORF Name	$rac{ ext{NT}}{ ext{NTID}}$ $rac{ ext{AA}}{ ext{Length}}$ $rac{ ext{Score}}{ ext{Length}}$	
19531885 <u></u> £3. <u>.</u> .63	3244 8466 118 357	
Protein name	Locus Name Acc#	
Description		
NO-HIT		
	NT AA Score Probability	
ORF Name	NTID AAID Length Length Floodsfile,	
20422162 <u>f1</u> 9		
Protein name	Locus Name Acc#	
VicK protein	gp:EFA012050 AJ012050	
Description		٦
Enterococcus fac	ecalis vic operon and flanking genes.	<u> </u>
Enterococcus fac	NT AA	
Enterococcus fac	NT AA Score Probability NTID AAID Length Length	
	NT AA NTID AAID Length Length Score Probability 3246 8468 323 972	
ORF Name	NT AA Score Probability NTID AAID Length Length	
ORF Name 2113812_f2_36	NT AA NTID AAID Length Length Score Probability 3246 8468 323 972	

		NT AA Score Probability
ORF Name	NTID AAID	Length Length
22063410_c2_108	3247 8469	632 1899 1362 4.1e-139
Protein name		Locus Name Acc#
hypothetical pro	tein	pir:S76152 S76152
Description		
		NT AA Grand Drobability
ORF Name	NTID AAID	NT AA Score Probability Length Length
22 <u>438768</u> c189	3248 8470	284 855
Protein name		Locus Name Acc#
Description		
NO-HIT		
		77
ORF Name	NTID AAID	NT AA Score Probability Length Length
24648563 <u></u> c1 <u></u> 88	3249 8471	129 390
Protein name		Locus Name Acc#
Description		
NO-HIT		
		NT AA Grana Probability
ORF Name	NTID AAID	Length Length
		5 00 00
26360263f366	3250 8472	582 1749 171 1.8e-09
26360263f366 Protein name	3250 8472	Locus Name Acc#
	3250 8472	
Protein name Description	antigen genes orf492	Locus Name Acc# gp:MMSAG X84710

ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
29804754_c2_93 Protein name	3251	8473	413 [1	Locus	Name	Acc#	
Description							
NO-HIT							_
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
34087632 <u></u> ±2 <u></u> 38	3252	8474	702	2109	155	4.5e-12]
Protein name				Locus	Name	Acc#	
				sp:BTU	ECOLI	P06129	
Description							
VITAMIN B12 RECEI	TOR PRECURS	OR				*	
VIIAMIN BIZ REEL							
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
	NTID		Length	Length		4	
ORF Name	NTID	AAID	Length	Length	Score s Name	Probability Acc#	
ORF Name 3.5.7.0.6.417t243	NTID	AAID	Length	Length		4	
ORF Name 3.5.7.0.6.417t243 Protein name	NTID	AAID	Length	Length		4	
ORF Name 3.5.7.0.6.417t243 Protein name Description	NTID	AAID	Length	Length	s Name	Acc#	
ORF Name 3.5.7.0.6.417t243 Protein name Description	NTID	AAID	Length	Length 1452 Locu		Acc# Probability	
ORF Name 3.5.7.0.6.417t243 Protein name Description NO-HIT	NTID 3253 NTID	<u>AAID</u> 8475	Length 483	Length Locus	s Name	Acc#	
ORF Name 3.5.7.0.6.417£243 Protein name Description NO-HIT ORF Name	NTID 3253 NTID	<u>AAID</u> 8475 <u>AAID</u>	Length 483 NT Length	Length Locus AA Length 720 Locus	Score 473 s Name	Acc# Probability 6.6e-45 Acc#	
ORF Name 3.5.7.0.6.417£243 Protein name Description NO-HIT ORF Name 41.7.3.7.51£355	NTID	<u>AAID</u> 8475 <u>AAID</u>	Length 483 NT Length	Length Locus AA Length	Score 473 s Name	Acc# Probability 6.6e-45	

ORF Name	NTID AAID	NT AA Score Probability Length Length
4878387_c3_122 Protein name	3255 8477	Locus Name Acc#
Description		
NO-HIT		
ORF Name	NTID AAID	NT AA Score Probability Length Length
4954691 <u>_c1</u> _92	3256 8478	270 810 213 2.4e-17
Protein name		Locus Name Acc# sp:HIS9_SCHPO 014059
Description		sp:n139_bcn10
PROBABLE HISTIDIN	NOL-PHOSPHATASE,	
ORF Name	NTID AAID	NT AA Score Probability Length Length
ORF Name 9921885c181		Length Length Score Floadslift 472 1419 142 9.4e-06
		Length Length Score FloadFilty 472 1419 142 9.4e-06 Locus Name Acc#
9921885 <u></u> c1 <u></u> 81	3257 8479	Length Length Score FloadSillery 472 1419 142 9.4e-06
9921885 <u>c1</u> 81	3257 8479	Length Length Score FloadFilty 472 1419 142 9.4e-06 Locus Name Acc#
Protein name hypothetical prot Description	3257 8479	Length Length Score FloadFilty 472 1419 142 9.4e-06 Locus Name Acc#
9921885c181 Protein name hypothetical prot	3257 8479 sein NTID AAID	Length Length Score Probability 472 1419 142 9.4e-06 Locus Name Acc# pir:A75613 A75613
9.921885c181	3257 8479 sein NTID AAID	Length Length Score Probability 472 1419 142 9.4e-06 Locus Name Acc# pir:A75613 A75613 NT Length Length Length Probability
9921885c181 Protein name hypothetical prot Description ORF Name	3257 8479 sein NTID AAID	Length Length Score Probability 472 1419 142 9.4e-06 Locus Name Acc# pir:A75613 A75613 NT Length AA Score Probability Length Length 1.4e-49
9.921885c181	3257 8479 sein NTID AAID	Length Length Score Probability 472 1419 142 9.4e-06 Locus Name Acc# pir:A75613 A75613 NT Length Length Score Probability Length Length 1.4e-49 Locus Name Acc#

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ORF Name	NTID	AAID	<u>NT</u> Length	AA Length	Score	Probability	
110683 f2 111	3259	8481	301	903	146	1.0e-09	
Protein name				Locus	Name	Acc#	
FIOCEIII IIdiiic				gp:PVPV	'A1	X92485	
				<u> </u>			
<u>Description</u>							
P.vivax pval gene.							
			NT	<u>AA</u>	Score	Probability	
ORF Name	NTID	AAID	<u>Length</u>	Length		7 0 2 17	1
12506407_c2_261	3260	8482	254	765	185	2.8e-17	
Protein name				Locus	3 Name	Acc#	
				sp:GPH	ECOLI	P32662	
Description							
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PHOSPHOGLICODATE FI	1001111111100	,					
							_
			<u>NT</u> Length	AA Length	Score	Probability	_
ORF Name	NTID	AAID	Length	Length			_
			Length	Length 435	72	0.028	_
ORF Name	NTID	AAID	Length	Length 435 Locu	72 s Name	0.028 <u>Acc#</u>	-
ORF Name 12923212_c2_232	NTID	AAID	Length	Length 435 Locu	72	0.028	
ORF Name 12923212_c2_232	NTID	AAID	Length	Length 435 Locu	72 s Name	0.028 <u>Acc#</u>	
ORF Name 12923212_c2_232 Protein name Description	NTID 3261	<u>AAID</u> 8483	Length	Length 435 Locu	72 s Name	0.028 <u>Acc#</u>	
ORF Name 12923212_c2_232 Protein name	NTID 3261	<u>AAID</u> 8483	Length 144	Length 435 Locu sp:DBH	72 s Name	0.028 <u>Acc#</u> P15148	
ORF Name 12923212_c2_232 Protein name Description DNA-BINDING PROTEIN	NTID 3261 N HU-ALPHA	<u>AAID</u> 8483	Length	Length 435 Locu sp:DBH	72 s Name	0.028 <u>Acc#</u>	
ORF Name 12923212_c2_232 Protein name Description DNA-BINDING PROTEIN ORF Name	NTID 3261 N HU-ALPHA NTID	<u>AAID</u> [8483 (NS2) (F	Length 144 1U-2) NT Length	Length 435 Locu sp:DBH	72 s Name A_SALTY	0.028 <u>Acc#</u> P15148	
ORF Name 12923212_c2_232 Protein name Description DNA-BINDING PROTEIN ORF Name 13127090_f2_102	NTID 3261 N HU-ALPHA NTID	<u>AAID</u> 8483 (NS2) (F	Length 144 142 10-2)	Length Locu sp:DBH AA Length	72 s Name A_SALTY Score	0.028 Acc# P15148 Probability 6.0e-06	
ORF Name 12923212_c2_232 Protein name Description DNA-BINDING PROTEIN ORF Name 13127090_f2_102 Protein name	NTID 3261 N HU-ALPHA NTID 3262	AAID (NS2) (F AAID 8484	Length 144 1U-2) NT Length	Length Locu sp:DBH AA Length 423	72 s Name A SALTY Score 112 as Name	0.028 Acc# P15148 Probability 6.0e-06 Acc#	
ORF Name 12923212_c2_232 Protein name Description DNA-BINDING PROTEIN ORF Name 13127090_f2_102 Protein name RNA-directed DNA p	NTID 3261 N HU-ALPHA NTID 3262 Olymerase,	AAID [8483] (NS2) (F AAID [8484] , msDNA	Length 144 1U-2) NT Length	Length Locu sp:DBH AA Length	72 s Name A SALTY Score 112 as Name	0.028 Acc# P15148 Probability 6.0e-06	
ORF Name 12923212_c2_232 Protein name Description DNA-BINDING PROTEIN ORF Name 13127090_f2_102 Protein name	NTID 3261 N HU-ALPHA NTID 3262 Olymerase, tidyltrans	AAID [8483] (NS2) (F AAID [8484] , msDNA ferase	Length 144 NT Length 140	Length Locu Sp:DBH AA Length 423 Locu pir:S1	72 s Name A SALTY Score 112 as Name	0.028 Acc# P15148 Probability 6.0e-06 Acc#	

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		IT AA Score	Probability
ORF Name			4.3e-18
14226625_f1_1	3263 8485 187	304	
Protein name		Locus Name	Acc#
		sp:YG77_METJA	Q59071
Description			
HYPOTHETICAL PROT	EIN MJ1677		
	1	NT AA Saara	Duchobilita
ORF Name	-	ngth Length Score	Probability
14958557_c1_200	3264 8486 430	1293 1219	5.9e-124
Protein name		Locus Name	Acc#
		sp:XAPB_ECOLI	
Description			
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XANTHOSINE PERME.		NIT' A A	7 1 1 1 1 1 1 1
ORF Name		NT <u>AA</u> Score ngth Length	Probability
	NTID AAID Le	NT AA Score	3.5e-16
ORF Name	NTID AAID Le	NT AA Score	
ORF Name 15627161c1189 Protein name	NTID AAID Le	NT AA Score ngth Length 202	3.5e-16
ORF Name 15627161c1189 Protein name	<u>NTID AAID Le</u>	NT AA Score ngth Length 202 Locus Name	3.5e-16 <u>Acc#</u>
ORF Name 15627161_c1_189 Protein name transcription re	NTID AAID Le	NT AA ngth Length Score 9 720 202 Locus Name pir:A70344	3.5e-16 Acc# A70344
ORF Name 15627161_c1_189 Protein name transcription re	NTID AAID Le	NT AA Score ngth Length 202 Locus Name	3.5e-16 <u>Acc#</u>
ORF Name 15627161_c1_189 Protein name transcription re Description	NTID AAID Le 3265 8487 23 Gulator Crp/Fnr family NTID AAID Le	NT AA Score Point: A70344 NT AA Score AA Score AA Score	3.5e-16 Acc# A70344 Probability 1.8e-58
ORF Name 15627161_c1_189 Protein name transcription re Description ORF Name	NTID AAID Le 3265 8487 23 Gulator Crp/Fnr family NTID AAID Le	NT AA Score Point: A70344 NT AA Score AA Score AA Score	3.5e-16 <u>Acc#</u> A70344 Probability
ORF Name 15627161_c1_189 Protein name transcription re Description ORF Name 15644206_c1_207	NTID AAID Le 3265 8487 23 Gulator Crp/Fnr family NTID AAID Le	NT AA Score Property Score AA Score Property Score Locus Name pir:A70344 NT AA Score ength Length 756 601	3.5e-16 Acc# A70344 Probability 1.8e-58
ORF Name 15627161_c1_189 Protein name transcription re Description ORF Name 15644206_c1_207	NTID AAID Le 3265 8487 23 Gulator Crp/Fnr family NTID AAID Le	NT AA Score Locus Name Pir:A70344 NT AA Score Locus Name NT AA Score In Time AA Score Locus Name Length Length Locus Name	3.5e-16 Acc# A70344 Probability 1.8e-58 Acc#

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	NTID AAID	NT AA Length Length	Score Probability	
ORF Name		328 987	[584] [1.1e-56]	!
16203213_c3_314	3267		us Name Acc#	•
Protein name				
probable tRNA delta(2)-isopenteny	lpyrophosphate tran	sferase pir:B	/1301	
(miaA)				
Description				
		NT AA	Score Probability	
ORF Name	NTID AAID	Length Lengt		
16439662_c1_208	3268 8490	943 2832	1.9e-230	j
Protein name		Loc	us Name Acc#	
immunoreactive 106	kDa antigen PG115	gp:Al	P153767 AF153767	
Description		-		
Porphyromonas ging	givalis strain W50 :	immunoreactive 1	.06 kDa antigenPG115	
gene, complete cds			E	
gene, complete car				
gene, compress can		NT AA	h Score Probability	
ORF Name	NTID AAID	Length Lengt	h	
	NTID AAID	Length Lengt	<u>h</u> 298 2.3e-26	
ORF Name	NTID AAID	Length Lengt	h	
ORF Name 16836063c3325	NTID AAID	Length Lengt	<u>h</u> 298 2.3e-26	
ORF Name 16.836.063c3325 Protein name Description	NTID AAID 3269 8491	Length Lengt 91 276 Lo sp:R	h 298 2.3e-26	
ORF Name 16.836.063c3325 Protein name Description	NTID AAID	Length Lengt 91 276 Lo sp:R	h 298 2.3e-26	
ORF Name 16.836.063c3325 Protein name Description	NTID AAID 3269 8491	Length Lengt 91 276 Lo sp:R	h 298 2.3e-26 cus Name Acc# P30155	
ORF Name 16.836.063c3325 Protein name Description	NTID AAID 3269 8491	Length Lengt 91 276 Lo sp:R ST PRECURSOR (C	h	
ORF Name 16.8.36.0.6.33.25 Protein name Description 50S RIBOSOMAL PRO	NTID AAID 3269 8491 TEIN L27, CHLOROPLA NTID AAID	Length Lengt 91 276 Lo Sp:R ST PRECURSOR (C	h 298 2.3e-26 cus Name Acc# K27_TOBAC P30155 L27) ch Score Probability	
ORF Name 16.836.06.33325 Protein name Description 50S RIBOSOMAL PRO ORF Name	NTID AAID 3269 8491 TEIN L27, CHLOROPLA NTID AAID	Length Length 91 276 Lo Sp:R ST PRECURSOR (C NT AA Length Length 170 1113	h	
ORF Name 16.8.36.0.6.3	NTID AAID 3269 8491 TEIN L27, CHLOROPLA NTID AAID	Length Length 91 276 Lo Sp:R ST PRECURSOR (C NT AA Length Length 170 1113	h	
ORF Name 16.836.06.3c3325 Protein name Description 50S RIBOSOMAL PRO ORF Name 1.708463.7c3281	NTID AAID 3269 8491 TEIN L27, CHLOROPLA NTID AAID	Length Length 91 276 Lo Sp:R ST PRECURSOR (C NT AA Length Length 170 1113	h	

ORF Name NTID AAID Length Length Section 19569032_c2_268 3271 8493 340 1023 232 2.9e-17 Protein name Locus Name ACC# Sp:GIGA_EACST 008328 Description SYNTHASE) ORF Name NTID AAID NT AA Protein name NTID AAID Length Score Probability Protein name NTID AAID NT AA Score Probability Protein name NTID AAID Length Length Score Probability Protein name NTID AAID Length Length Score Probability Protein name Locus Name Acc# Sp:YODE MYCTU Q50604 Description NTID AAID Length Length Length I.4e-65 Protein name NTID AAID Length Length Score Probability Description RYPOTEIN RVIES RYPOTEI			\underline{NT} \underline{AA}	Score	Probability
Protein name	ORF Name	NTID AAID	Length Lengt	<u>n</u>	
Sp:GLGA_EACST O08328	19569032_c2_268	3271 8493	340 1023	232	2.9e-17
SYNTHASE	Protein name		Loc	cus Name	Acc#
SYNTHASE			sp:G	LGA_BACST	008328
ORF Name NTID AAID Length Length Score Probability Protein name Image: Locus Name of Probability ORF Name NTID AAID Image: Length of Probability Image: Locus Name of Probability Image: Locus Name of Probability Protein name Locus Name of Probability Image: Locus Name of Probability Image: Locus Name of Probability ORF Name NTID AAID Image: Length of Probability Image: Length of Probability ORF Name NTID AAID Image: Length of Image: Locus Name of Image: L	Description				
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Description NO-HIT	21893753_f3_136	3272 8494	88 267		
NO-HIT NTID AAID NT Length Length Length Score Probability 2247.0938_G3_311	Protein name		Lo	cus Name	Acc#
NO-HIT NTID AAID NT Length Length Length Score Probability 2247.0938_G3_311	Description				
ORF Name NTID AAID Length Length Score Probability 2247.0938G3311	`				
ORF Name NTID AAID Length Length Length Floatity 22470938_c3_311 3273 8495 195 588 238 5.3e-20 Protein name Locus Name Acc# Ep:YODE_MYCTU Q50604 Description NTID AAID NTID AAID Length Score Probability ORF Name NTID AAID Length Length Score Probability 23617062_c2_250 3274 8496 398 1197 668 1.4e-65 Protein name Locus Name Acc# Hypothetical protein Gp:D90734 Gp:D90734	NO-III I				
ORF Name NTID AAID Length Length Length 2247.0938_G3_311		*	NT AA	Score	Probability
Description Description Description Description NTID AAID Length Len	ORF Name	NTID AAII	Length Leng	<u>h</u> Score	
Description Sp:YODE_MYCTU Q50604	22470938 <u></u> c3 <u>.</u> 311	3273 8495	195 588	238	5.3e-20
Description HYPOTHETICAL 18.1 KD PROTEIN RV1829 ORF Name NTID AAID Length Length Score Probability 23.61.70.62_c2_250	Protein name		Lo	cus Name	
HYPOTHETICAL 18.1 KD PROTEIN RV1829 ORF Name NTID AAID NTID AAID Length Length Score Probability 23.6.1.7.0.6.2			sp:\	ODE_MYCTU	Q50604
ORF Name NTID AAID Length Length Score Probability 23617062_c2_250	Description			*	. (0
ORF Name NTID AAID Length Length Floatiffs 23617062c2250	HYPOTHETICAL 18.1	L KD PROTEIN RV182	9		
ORF Name NTID AAID Length Length Floatiffs 23617062c2250			NT AA		Dechability
23.6.1.70.6.22.5.0	ORF Name	NTID AAI		SCOLE	Propability
Hypothetical protein Description Description	23617062 <u></u> c2250	3274 8496	398 1197	668	1.4e-65
Description	Protein name		Lu	ocus Name	Acc#
	Hypothetical prot	cein	gp:	090734	
Escherichia coli genomic DNA. (22.0 - 22.3 min).					

		NT AA Score Probability	
ORF Name	NTID AAID	Length Length	_
24025302_c2_264	3275 8497	763 2292 1140 1.4e-115	
Protein name		Locus Name Acc#	
glutamate synthase	, beta subunit	pir:H72230 H72230	
Description			
		NT AA Grana Drobability	
ORF Name	NTID AAID	NT AA Score Probability Length Length	
24257807 <u>c1</u> 221	3276 8498	507 1524	
Protein name		Locus Name Acc#	
Description			
NO-HIT			
		NUT AA	
ORF Name	NTID AAID	$rac{ ext{NT}}{ ext{Length}} rac{ ext{AA}}{ ext{Length}} rac{ ext{Score}}{ ext{Probability}}$	
		Score Probability	
ORF Name 24431587_f2_104		Length Length Score Probability	
24431587 <u></u> t2 <u></u> 104		Length Length Score Probability 305 918 893 2.1e-89	
24431587t2104 Protein name		Length Length Score Probability 305 918 893 2.1e-89 Locus Name Acc#	
Protein name Description	3277 8499	Length Length Score Plobability 305 918 893 2.1e-89 Locus Name Acc# sp:YPGA_PORGI Q51834	
Protein name Description	3277 8499	Length Length 305 918 893 2.1e-89 Locus Name Acc# Sp:YPGA_PORGI Q51834 -PGAA_INTERGENIC REGION	
Protein name Description	3277 8499	Length Length Score Plobability 305 918 893 2.1e-89 Locus Name Acc# sp:YPGA_PORGI Q51834	
Protein name Description HYPOTHETICAL 33.6	MTID AAID	Length Length 305 918 893 2.1e-89 Locus Name Acc# Sp:YPGA PORGI Q51834 PGAA INTERGENIC REGION NT AA Score Probability	
Protein name Description HYPOTHETICAL 33.6 ORF Name	MTID AAID	Length Length Score Probability 2.1e-89 Locus Name Acc# Sp:YPGA_PORGI Q51834 PGAA INTERGENIC REGION NT AA Length Length Score Probability	
24431587t2104 Protein name Description HYPOTHETICAL 33.6 ORF Name 24648542t2106	MTID AAID	Length Length Score Probability 2.1e-89 Locus Name Acc# Sp:YPGA_PORGI Q51834 PGAA INTERGENIC REGION NT AA Score Probability Length Length 159 480	
Protein name Description HYPOTHETICAL 33.6 ORF Name 24648542_t2_106	MTID AAID	Length Length Score Probability 2.1e-89 Locus Name Acc# Sp:YPGA_PORGI Q51834 PGAA INTERGENIC REGION NT AA Score Probability Length Length 159 480	

ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
24803137_c3_340	3279	8501	232	99	272	1.3e-23
Protein name				Locus	Name	Acc#
				sp:Y031	MYCTU	Q10647
Description						÷ ,
HYPOTHETICAL 25.7	KD PROTEIN	CY130.22				
			NT	AA	Score	Probability
ORF Name	NTID	AAID	Length	Length	SCOLE	FLODADILLO
24821094_c2_231	3280	8502	263	792	391	1.6e-35
Protein name				Locu	s Name	Acc#
putative vicilin	storage prot	ein		gp:ATA	C006135	AC006135
Description						
Arabidopsis thali	ana chromoso	ome II BA	C F24H14	genomic	sequenc	e,complete
sequence.						
ORF Name	NTID	AAID	<u>NT</u> Length	AA	Score	Probability
		111111	nerry err	Length		*
25423461_c1_205		8503	406	Length 1221	77	0.046
25423461c1205				1221	77	*
Protein name	3281			1221	ıs Name	0.046
Protein name hypothetical prot	3281			1221 Locu	ıs Name	0.046 <u>Acc#</u>
Protein name	3281		406	1221 Locu	ıs Name	0.046 <u>Acc#</u>
Protein name hypothetical prot	3281			Locu pir:B	Name 70312	0.046 <u>Acc#</u>
Protein name hypothetical prot Description	3281 sein aq_125	8503	406 NT Length	Locu pir:B	Name 70312	0.046 Acc# B70312
Protein name hypothetical prot Description ORF Name	3281 sein aq_125	8503	MT Length	Locu pir:B'	Name 70312	0.046 Acc# B70312
Protein name hypothetical prot Description ORF Name 25506557_f2_90	3281 sein aq_125	8503	MT Length	Locu pir:B'	Score	D.046 Acc# B70312 Probability

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ORF Name	NTID	AAID	<u>NT</u> Length	AA Length	Score	Probability	
25589087_c3_322	3283 85	05	176	31	267	4.5e-23	
Protein name				Locus	Name	Acc#	
				sp:SPR_	_ECOLI		
Description							
LIPOPROTEIN SPR	RECURSOR						
			NΤ	AA		Dechability	
ORF Name	NTID	AAID	Length	<u>Length</u>	Score	Probability	
26204662_f3_113	3284 8	506	466	1401	593	1.3e-57	
Protein name				Locu	s Name	Acc#	
*				sp:AMY	METJA	Q59006	
Description					*		
PUTATIVE ALPHA-A	MYTASE.						1
I BOTHITAN WHITHE	1111111						J
POTATIVE ADMINITE	11 11 10 17		אַזייי	ΔΔ			J
	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	I
ORF Name	NTID	<u>AAID</u> 507	Length		Score	Probability	
ORF Name 26287593t266	NTID		Length	Length	Score s Name	Probability Acc#	
ORF Name 26287593_f2_66	NTID		Length	Length	× *		
ORF Name 2628.75.93f26.6 Protein name Description	NTID		Length	Length	× *		1
ORF Name 26287593_f2_66	NTID		Length	Length	× *]
ORF Name 2628.7593f266 Protein name Description NO-HIT	<u>NTID</u> 3285	507	Length 61 NT	Length Locu	× *]
ORF Name 2628.7593f266 Protein name Description NO-HIT ORF Name	NTID 3285 8	AAID	Length NT Length	Length Locu AA Length	s Name	Acc#]
ORF Name 2628.7593f266 Protein name Description NO-HIT ORF Name 26359.703c2263	NTID 3285 8	507	Length NT Length	Length Locu AA Length	Score	Acc# Probability 1.3e-16	
ORF Name 2628.7593f266 Protein name Description NO-HIT ORF Name	NTID 3285 8	AAID	Length NT Length	Length Locu AA Length Length Locu	Score 206 as Name	Acc# Probability 1.3e-16 Acc#	
ORF Name 2628.75.93_f2_66. Protein name Description NO-HIT ORF Name 26359.703_c2_263 Protein name	NTID 3285 8	AAID	Length NT Length	Length Locu AA Length Length Locu	Score	Acc# Probability 1.3e-16	
ORF Name 2628.7593f266 Protein name Description NO-HIT ORF Name 26359.703c2263	NTID	AAID	Length NT Length	Length Locu AA Length Length Locu	Score 206 as Name	Acc# Probability 1.3e-16 Acc#	

ORF Name NTID AAID Length Length Probability
26449224_c1_169 3287 8509 158 477 266 5.7e-23 Duetoin name Acc#
Protein name
hypothetical protein C11G6.3 pir:T19201 T19201
Description
ORF Name NTID AAID Length Length Probability
26600050f2_1033288
Protein name Locus Name Acc#
heme uptake protein A and B gp:AF143945 AF143945
Description
Porphyromonas gingivalis heme uptake protein A and B gene, completeds.
NT AA Score Probability
ORF Name NTID AAID Length Length
29316.930t2110
Protein name Locus Name Acc#
sensory transduction histidine kinase pir:S75130 S75130 S75130
Description
NT AA Score Probability ORF Name NTID AAID Length Length
30585005_c2_256
Protein name Locus Name Acc#
777.40784
Vexp2
Description Streptococcus pneumoniae Vexp1 (vex1), Vexp2 (vex2), Vexp3 (vex3), and P28

ORF Name	NTID	AAID	<u>NT</u> Length	AA Length	Score	Probability	
30743760_£2_100	3291	8513	740	2223			
Protein name				Locus	Name	Acc#	
Description							
NO-HIT							
	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
ORF Name [33397137±293		8514		963	780	1.9e-77	
Protein name	, , , , , , , , , , , , , , , , , , ,		L	Locu	s Name	Acc#	
thioredoxin reduct	ase			gp:AF1	24757	AF124757	
Description					Đ		
Zymomonas mobilis	fosmid clo	ne 43D2,	complete	sequenc	e		
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
3.3.4.7.6.5.40c2248	3293	8515	237	714	107	0.00080	
Protein name				Locu	s Name	Acc#	
hypothetical prot	ein SC66T3.	28c		pir:T3	5385	T35385	
Description						,	
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
34261093 <u></u> c3 <u></u> 276	3294	8516	302	909	394	7.7e-36	
Protein name					ıs Name	Acc#	
putative vicilin	storage pro	otein		gp:AT	AC006135	AC006135	
Description		*	• • • • • • • • • • • • • • • • • • •	4 conomi	r ceguen	ce complete	7
Arabidopsis thali	ana chromo	some II B	AC FZ4HI	genomic	sequeii		

0071 37	NUTTO	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	<u>Probability</u>
ORF Name	NTID					
35595442_f1_55	3295	8517	176 5	31		D !!
Protein name				Locus	Name	Acc#
Description						
NO-HIT						
	4		NT	AA		_ 1 .1.2724
ORF Name	NTID	AAID	<u>Length</u>	Length	Score	Probability
3.5.7.3.9.6.4.33.0.8	3296	8518	74 2	25		
Protein name				Locus	Name	Acc#
Description						
NO-HIT						
			NT	AA		
ORF Name	NTID	AAID	<u>Length</u>	Length	Score	Probability
36132943 <u></u> c1170	3297	8519	133 4	.02	203	3.1e-15
Protein name				Locus	Name	Acc#
				gp:SCY	KL202W	
Description						
S.cerevisiae chromo	some XI r	eading fr	ame ORF 1	/KL202w.		
			NT	AA		
ORF Name	NTID	AAID	Length	Length	Score	Probability
3.6.22.52.50 <u></u> £3 <u></u> 1.12	3298	8520	431	1296	363	4.3e-40
Protein name	, ·				s Name	Acc#
probable lipopolysa N-acetylglucosaminyl	ccharide	ac rfbII		pir:F6	4500	F64500
M-aceryigincosaminyi						
Description	transiera	se, IIDO]		

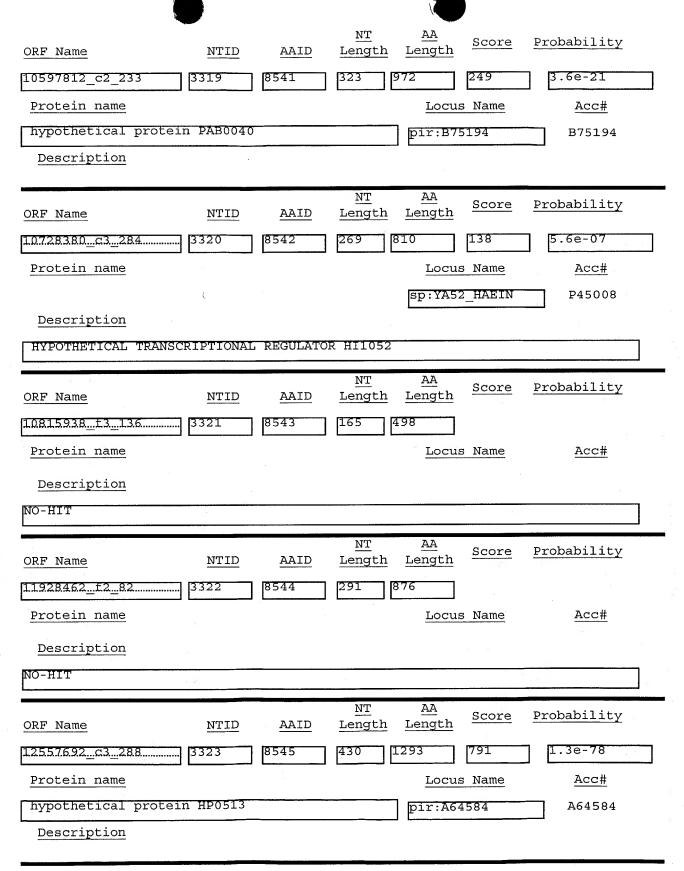
		NT	AA	Score	Probability	
ORF Name	NTID A	AID Leng	th Length			
3913411_c3_298	3299 852	1 819	2460	1108	1.4e-119	
Protein name			Locus	s Name	Acc#	
beta-N-acetylglu	ıcosaminidase		gp:AF0	72374	AF072374	
Description						
Pseudoalteromonacds.	as sp. S9 beta-N-	acetylgluce	osaminidase	(chiQ)	gene, complete	
		TN	AA		D 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	
ORF Name	NTID Z	AAID Leng		Score	Probability	
4004010_f1_51	3300 852	22 85	258			
Protein name			Locu	s Name	Acc#	
Description						
NO-HIT						1
						j
		NT	a AA			<u>. </u>
ORF Name	NTID	N AAID Lenc		Score	Probability	
	-	AAID Leng		Score	Probability	
ORF Name	-	AAID Leng	th Length			
ORF Name 4022790_f1_2	-	AAID Leng	th Length 1950 Locu	236 Is Name	1.4e-27	
ORF Name 4022790_f1_2	3301 852	AAID Leng	th Length 1950 Locu	236 Is Name	1.4e-27 <u>Acc#</u>	
ORF Name 4022790fl2 Protein name glycogen debran	3301 852	AAID Leng	1950 Locu	236 Is Name	1.4e-27 <u>Acc#</u>	
ORF Name 4022790fl2 Protein name glycogen debran	ching enzyme-rela	AAID Leng	Locum pir:H7	236 Is Name 75549	1.4e-27 <u>Acc#</u>	
ORF Name 4022790fl2 Protein name glycogen debran Description	ching enzyme-rela	AAID Leng ated protein NOTE AAID Leng Leng Leng Leng	Locum pir:H7	236 Is Name 75549	1.4e-27 Acc# H75549	
ORF Name 4022790fl2 Protein name glycogen debran Description ORF Name	ching enzyme-rela	AAID Leng ated protein NOTE AAID Leng Leng Leng Leng	Locum pir:H7 AA gth Length	236 IS Name 75549 Score	1.4e-27 <u>Acc#</u> H75549 Probability	
ORF Name 4022790fl2 Protein name glycogen debran Description ORF Name 4085937c2241	ching enzyme-rela	AAID Leng ated protein NOTE AAID Leng Leng Leng Leng	Locum Pir:H7 AA Gth Length Locum Locum	236 as Name 75549 Score 3767	1.4e-27 Acc# H75549 Probability 0.0	
ORF Name 4022790fl2 Protein name glycogen debran Description ORF Name 4085937c2241	ching enzyme-rela	AAID Leng ated protein NOTE AAID Leng Leng Leng Leng	Locum Pir:H7 AA Gth Length Locum Locum	236 as Name 25549 Score 3767 as Name	1.4e-27 Acc# H75549 Probability 0.0 Acc#	
ORF Name 4022790f12 Protein name glycogen debran Description ORF Name 4085937c2241 Protein name	ching enzyme-rela	AAID Leng ated protein AAID Leng NTAAID Leng 24 745	Locumn Pir:H7 AA Gth Length 2238 Locumn Exp:GLM	236 as Name 25549 Score 3767 as Name NA_BACFR	1.4e-27 Acc# H75549 Probability 0.0 Acc#	

an = 17	NTID AAID	NT AA Score Length Length	Probability
ORF Name			4.0e-31
4104687_c2_260	3303 8525	238 717 343	4.06-31
Protein name		Locus Name	Acc#
abc transporter,	ATP-binding protein I	PAB1696 pir:H75077	H75077
Description			
		NT AA G	
ORF Name	NTID AAID	Length Length Score	Probability
4115892 <u></u> c3 <u></u> 326	3304 8526	1284 879	6.3e-88
Protein name		Locus Name	Acc#
		sp:SYS_AQUAE	066647
Description			
SERYL-TRNA SYNTE	ETASE, (SERINETRNA	LIGASE) (SERRS)	
		NIT AA	
ORF Name	NTID AAID	NT AA Score Length Length	Probability
ORF Name 4117177_c2_254		— Score	Probability 8.0e-17
		Length Length	
4117177 <u></u> c2254		Length Length Score 232 699 208	8.0e-17
4117177 <u></u> c2254		Length Length 232 699 208 Locus Name	8.0e-17 <u>Acc#</u>
4117177_c2_254 Protein name	3305 8527	Length Length 232 699 208 Locus Name	8.0e-17 <u>Acc#</u>
Protein name Description	3305 8527	Length Length 208 Locus Name Sp:YGGJ_HAEIN	8.0e-17 Acc# P44627
Protein name Description	3305 8527	Length Length 232 699 208 Locus Name	8.0e-17 <u>Acc#</u>
Protein name Description HYPOTHETICAL PRO	NTID AAID	Length Length 232 699 208 Locus Name Sp:YGGJ_HAEIN NT AA Score	8.0e-17 Acc# P44627
Protein name Description HYPOTHETICAL PRO	NTID AAID	Length Length 232 699 208 Locus Name Sp:YGGJ_HAEIN NT AA Length Length Score	8.0e-17 Acc# P44627
Protein name Description HYPOTHETICAL PRO ORF Name	NTID AAID	Length Length 232 699 208 Locus Name Sp:YGGJ_HAEIN NT AA Length Length 496 1491	8.0e-17 Acc# P44627 Probability

ORF Name	NTID AAID	NT AA Score Probability Length Length	
4490927_c2_238	3307 8529	264 795 624 6.6e-61]
Protein name		Locus Name Acc#	
		sp:YABN_BACSU P37556	
Description			
HYPOTHETICAL 56.	1 KD PROTEIN IN MFD-D	IVIC INTERGENIC REGION	
ORF Name	NTID AAID	NT AA Score Probability Length Length	
4798203_£1_45	3308 8530	216 651 108 0.0012	
Protein name		Locus Name Acc#	
		sp:Y687_METJA Q58100	
Description			
HYPOTHETICAL PRO	OTEIN MJ0687		
HYPOTHETICAL PROOF Name	NTID AAID	NT AA Score Probability	
	NTID AAID	Score Flobability	
ORF Name	NTID AAID	Length Length	
ORF Name 4876507t1_57	NTID AAID	Length Length Score Flobability 884 2655 1890 4.6e-195	
ORF Name 4876507_t1_57	NTID AAID	Length Length Score Flobability 884 2655 1890 4.6e-195 Locus Name Acc#	
ORF Name 4876507_f1_57 Protein name valinetRNA lig	NTID AAID	Length Length Score Flobability 884 2655 1890 4.6e-195 Locus Name Acc#	
ORF Name 48.76.50.7t15.7 Protein name valinetRNA lig Description	NTID AAID 3309 8531 Jase, NTID AAID	Length Length Score Floathillty 884 2655 1890 4.6e-195 Locus Name Acc# pir:D72206 D72206	
ORF Name 48.76.50.7t15.7 Protein name valinetRNA lig Description ORF Name	NTID AAID 3309 8531 Jase, NTID AAID	Length Length Score Floatility 884 2655 1890 4.6e-195 Locus Name Acc# pir:D72206 D72206 NT Length Length Score Probability	
ORF Name 48.76.50.7t15.7 Protein name valinetRNA lig Description ORF Name 48.950.87c3315	NTID AAID 3309 8531 Jase, NTID AAID 3310 8532	Length Length Score Floathillty 884 2655 1890 4.6e-195 Locus Name Acc# pir:D72206 D72206 NT Length Length Score Probability 289 2.1e-25	

	NTID AAID	NT AA Score Probability Length Length	
ORF Name			
4897750_c2_255	3311 8533	526 1581	
Protein name		Locus Name Acc#	
Description			
NO-HIT			
ORF Name	NTID AAID	NT AA Score Probability	-
4944011£2105	3312 8534	191 576 218 7.0e-18	-
Protein name		Locus Name Acc#	
RNA polymerase sig	ma-E factor	pir:B72234 B72234	
Description			
200022	ē.		···- <u></u>
ORF Name	NTID AAID	NT AA Score Probability Length Length	<u>r</u>
5110962 <u></u> c2 <u></u> 249	3313 8535	218 657 230 1.3e-17	
Protein name		Locus Name Acc#	
DNA helicase 1		pir:T14895 T14895	
Description			
4 - J		7.7	
	ATT ANTI	NT AA Score Probability Length Length	<u>Z</u>
ORF Name	NTID AAID		
ORF Name 5350265_f1_52		287 864 209 2.2e-34	*
5350265 <u></u> f1 <u></u> 52		287 864 209 2.2e-34	
5350265 <u></u> f1 <u></u> 52		287 864 209 2.2e-34 Locus Name Acc#	, ,

ORF Name	NTID AAID	NT AA Score Length Length	Probability
57555_f1_44	3315 8537	838 2517 1042	9.7e-108
Protein name		Locus Name	Acc#
		sp:SP3E_BACS	
Description			
STAGE III SPORUL	ATION PROTEIN E		
ORF Name	NTID AAII	NT AA Length Length	Probability
319075_f1_8	3316 8538	134 405 342	5.0e-31
Protein name		Locus Name	Acc#
DonD protoin		gp:WSAJ3049	AJ003049
PanD protein			
Description			
Description	ogenes hydD, hydE,	panD and ispA genes; orf	102 andorf341.
Description	ogenes hydD, hydE,	NT AA	
Description	ogenes hydD, hydE, NTID AAII	NT AA Scor	
Description Wolinella succin	NTID AAII	NT AA Scor	
Description Wolinella succin	NTID AAII	NT AA Scor	e <u>Probability</u>
Description Wolinella succin ORF Name 822750_f3_116	NTID AAII	NT AA Scor	e Probability
Description Wolinella succin ORF Name 822750_f3_116	NTID AAII	NT AA Scor	Probability 1.3e-57 Acc#
Description Wolinella succin ORF Name 822750_f3_116 Protein name pantoatebeta-a	NTID AAII	NT AA Scor Length Length 310 933 593 Locus Name	Probability 1.3e-57 Acc# E72296
Description Wolinella succin ORF Name 822750_f3_116 Protein name pantoatebeta-a	NTID AAII	NT AA Scor	Probability 1.3e-57 Acc# E72296
Description Wolinella succin ORF Name 822750_f3_116 Protein name pantoatebeta-a Description	NTID AAII 3317 8539 Lanine ligase NTID AAII	NT AA Scor	Probability 1.3e-57 Acc# E72296
Description Wolinella succin ORF Name 822750_t3_116 Protein name pantoatebeta-a Description ORF Name	NTID AAII 3317 8539 Lanine ligase NTID AAII	NT AA Scor Length Length 310 933 593 Locus Name pir:E72296 NT AA Scor	Probability 1.3e-57 Acc# E72296 Probability 2.0e-08
Description Wolinella succin ORF Name 822750_t3_116 Protein name pantoatebeta-a Description ORF Name	NTID AAII 3317 8539 Lanine ligase NTID AAII	NT AA Scor Length Length 593 Locus Name pir:E72296 NT AA Scor Locus Name pir:E72296 Length Length Scor Length 151	Probability 1.3e-57 Acc# E72296 Probability 2.0e-08
Description Wolinella succin ORF Name 822750_f3_116 Protein name pantoatebeta-a Description ORF Name 10552012_c3_265 Protein name	NTID AAII 3317 8539 Lanine ligase NTID AAII	NT AA Scor Length Length 593 Locus Name pir:E72296 NT AA Scor Length Length 288 867 151 Locus Name	Probability 1.3e-57 Acc# E72296 Probability 2.0e-08 Acc#



NT AA Score Probability
Length Length
283 852 204 2.1e-16
Locus Name Acc#
sp:FPG_LACLC P42371
NT AA Grana Drobability
Length Length Score Probability
338 1017 502 5.6e-48
Locus Name Acc#
gp:AB011381 AB011381
1, complete cds.
NT AA
NT AA Score Probability Length Length
— Score Propapility
Length Length Score Propability
Length Length Score Propability [560 [1683] 1603] 1.2e-164
Length Length Score Probability 560 1683 1603 1.2e-164 Locus Name Acc#
Length Length Score Probability 560 1683 1603 1.2e-164 Locus Name Acc#
Length Length Score Propability 560 1683 1603 1.2e-164 Locus Name Acc# Propability Acc# Constant Ac
Length Length Score Probability 560 1683 1603 1.2e-164 Locus Name Acc#
Length Length Score Probability 560 1683 1603 1.2e-164
Length Length Score Probability 560 1683 1603 1.2e-164 Locus Name Acc# Chosphate pir:C71312 C71312 NT
Length Length Score Probability 560 1683 1603 1.2e-164 Locus Name Acc# Chosphate pir:C71312 C71312 NT AA Score Probability Length Length 1.5e-05
Length Length Score Probability 560 1683 1603 1.2e-164 Locus Name Acc# Chosphate pir:C71312 C71312 NT Length Length Score Probability Pendence Length 1.5e-05 Locus Name Acc#

ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
14644032_f1_19	3328	8550		31	140] [1.3e-09
Protein name					Name	Acc#
arsenate reductase				pir:B7		B70360
Description			<u></u>	J <u>† </u>		
			<u>.</u>		-	
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
1486.783.7 <u></u> c3. <u>.</u> .255	3329	8551	62 1	.89		
Protein name				Locus	Name	Acc#
Description						
NO-HIT						
			NT	AA		
ORF Name	NTID	AAID	<u>Length</u>	<u>Length</u>	Score	Probability
156306 <u></u> c2 <u></u> 231	3330	8552	395 1	.188	802	9.1e-80
Protein name				Locus	s Name	Acc#
				sp:TRK		
Description						
TRK SYSTEM POTASSIU	M UPTAKE	PROTEIN TI	RKH			1.1
			NT	AA		
ORF Name	NTID	AAID	Length	Length	Score	Probability
156376 <u></u> c3 <u></u> 253	3331	8553	250 7	53		
Protein name				Locus	Name	Acc#
Description					,	
NO-HIT						
			NT	AA		
ORF Name	NTID	AAID	Length	Length	Score	Probability
16603380 <u></u> c2 <u></u> 247	3332	8554	316 9	51	546	1.2e-52
Protein name				Locus	Name	Acc#
hypothetical protein	n jhp0462			pir:C7	1929	C71929
Description						

			NT	AA	Score	Probability
ORF Name	NTID	AAID	Length	<u>Length</u>		
16832885_f1_16	3333	8555	431	.296	1723	2.3e-177
Protein name				Locus	s Name	Acc#
hypothetical pro	tein			pir:JQ	1020	JQ1020
Description						
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
20447626 <u></u> c3 <u></u> 285	3334	8556	134 4	.05	86	0.00069
Protein name				Locus	s Name	Acc#
unknown		_,		gp:AF0	25662	AF025662
Description						
Vibrio cholerae	lipoprotein	(vlpA) and	d unknown	proteir	ns genes,	complete cds.
			NT	AA		
ORF Name	NTID	AAID	Length	Length	Score	Probability
20502012 <u></u> c3 <u></u> 290	3335	8557	256 7	71	741	2.6e-73
Protein name				Locus	s Name	Acc#
				sp:HIS	S_BACSU	034727
Description						3°
HISF PROTEIN (CY	CLASE)	-				į
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
22459550 <u>f3</u> 174	3336	8558	186	61	199	7.2e-16
Protein name				Locus	s Name	Acc#
RNA polymerase s	igma factor	SigZ-like	protein	gp:AF1	37263	AF137263
Description	· ·			*		
Bacteroides thet	aiotaomicron	30S ribos	somal pro	tein S16	-likepro	tein, fucose
gene cluster, and complete cds.	RNA polymer	ase sigma	factorSi	gZ-like	protein	(sigZ) genes,
Compress cup.						

ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
22860128_f2_84 Protein name	3337	8559	83	252	64 S Name	0.031	
FIOCEIII IIdiiie					XENLA	<u>Acc#</u> P36378	
Description (ON)	(BASEMENT	MEMBRANE	DD OTF TN	RM-40)			į
(OSTEOMECTIN) (ON)	(DASERENT	MEMDICANE	PROTEIN	DI4-407			
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
23445387_c1_197	3338	8560	194	85			
Protein name				Locus	Name	Acc#	
Description							
NO-HIT					: 14		
	*						
ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability	
23598385 <u>f3</u> 135	<u>NTID</u>	AAID 8561	Length		Score	Probability	Y-
23598385f3135 Protein name	3339		Length	Length Locus	319 Name		Y
23598385_f3_135 Protein name hypothetical protes	3339		Length	Length	319 Name	1.4e-28	
23598385f3135 Protein name	3339		Length	Length Locus	319 Name	1.4e-28 <u>Acc#</u>	,
23598385_f3_135 Protein name hypothetical protes	3339		Length	Length Locus	319 Name	1.4e-28 <u>Acc#</u>	
23598385_f3_135 Protein name hypothetical protes Description	in ydeA	8561	Length 205 NT Length	Length Locus pir:C65	319 Name	1.4e-28 <u>Acc#</u> C69777	·
Protein name hypothetical protes Description ORF Name	in ydeA	8561 AAID	Length 205 NT Length	Length Locus pir:C69 AA Length	319 Name 9777 Score	1.4e-28 <u>Acc#</u> C69777 Probability	
Protein name hypothetical protes Description ORF Name	NTID	AAID 8562	Length 205 NT Length 1126 3	Length Locus pir:C69 AA Length	319 Name 9777 Score 455 Name	1.4e-28 Acc# C69777 Probability 3.8e-73	

ORF Name	NTID	AAID	<u>NT</u> Length	AA Length	Score	Probability
24227211_f1_30	3341	8563	102	309	229	4.8e-19
Protein name				Locu	s Name	Acc#
				sp:YGB	A_ECOLI	P25728
Description						
HYPOTHETICAL 13.9	CD PROTEIN	IN FHLA-	MUTS INTE	ERGENIC 1	REGION	
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
24257786_f2_114	3342	8564	89	270	91	0.0032
Protein name				Locus	s Name	Acc#
hypothetical protei	n pXO1-90			pir:B5	9102	B59102
Description						
-			NT	AA	Score	Probability
ORF Name	NTID	AAID	Length	Length	acore	FIGDADITICY
24406506 <u></u> £2 <u></u> 97	3343	8565	96	91	131	1.2e-08
Protein name				Locus	s Name	Acc#
unknown				gp:LLU	30410	U80410
Description				, -		
Lactococcus lactis phosphorylase (deoD)	_			e (deoB)	and puri	nenucleoside
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
24647562_c2_223	3344	8566		64	488	1.7e-46
Protein name	L			 Locus	Name	Acc#
				sp:YEGX	CECOLI	
Description	*	7				
HYPOTHETICAL 32.0 K	D PROTEIN	IN FBAB-	THID INTE	RGENIC R	REGION	

ORF Name	NTID	AAID	<u>NT</u> Length	AA Length	Score	Probability
24647760_c3_287	3345	8567	137	114	157	2.0e-11
Protein name				Locus	s Name	Acc#
probable general st	ress prot	ein 26		pir:D7	5431	D75431
Description						
			NT	AA	· G avana	Dec 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
ORF Name	NTID	AAID	Length	Length	Score	Probability
24648567 <u></u> c1 <u></u> 180	3346	8568	302	909	129	0.00044
Protein name				Locus	s Name	Acc#
hypothetical protei	n SC3A7.1	6c		pir:T2	9435	T29435
Description						
		*	NT	AA	Score	Probability
ORF Name	NTID	AAID	<u>Length</u>	Length		9
2625.7.93.7£115	3347	8569	360	1083		
Protein name				Locus	s Name	Acc#
Description						
NO-HIT						
			NT	AA	Score	Probability
ORF Name	NTID	AAID	Length	<u>Length</u>	beore	TIOSASTITEY
26384687 <u></u> c3258	3348	8570	88	267	129	1.9e-08
Protein name				Locus	s Name	Acc#
hypothetical protei	n APE0900		2	pir:D72	2685	D72685
Description						
			NT	AA	Score	Probability
ORF Name	NTID	AAID	Length	Length	beore	Troubling
26447312 <u></u> £1 <u></u> 40	3349	8571	73	222		
Protein name				Locus	Name	Acc#
Description						
NO-HIT						

ORF Name	NTID AAI	<u>NT</u> <u>AA</u> D <u>Length</u> <u>Lengt</u>	<u>Score</u>	Probability
26597066_c1_214 Protein name	3350 8572	234 705	445 us Name	6.1e-42 Acc#
cell division ATP-1	oinding protein		70919	ACC#
Description				
ORF Name	NTID AAI	<u>NT</u> <u>AA</u> D <u>Length</u> <u>Lengt</u>	<u>score</u>	Probability
26.6.940.91f3125	. 3351 8573	69 210	102	1.4e-05
Protein name		Loc	us Name	Acc#
hypothetical prote	in	gp:SS	U 18930	Y18930
Description				
Sulfolobus solfata	ricus 281 kb gen	omic DNA fragment,	strain P2	
ORF Name	NTID AAI	<u>NT</u> <u>AA</u> D Length Lengtl	Score	Probability
ORF Name 29406301c2_230		·	score	Probability
		D Length Lengtl	1	
	3352 8574	D Length Lengtl 128 387 Loc	97	0.00048
29406301_c2_230 Protein name TRK potassium uptak	3352 8574	D Length Lengtl 128 387 Loc	97 us Name	0.00048 <u>Acc#</u>
29406301_c2_230 Protein name TRK potassium uptalhomolog	3352 8574	D Length Length 128 387 Loc n (trkH) pir:G	97 us Name 69354	0.00048 <u>Acc#</u>
29406301c2_230 Protein name TRK potassium uptalhomolog Description	3352 8574 Re system protein NTID AAI:	D Length Length 128 387 Loc n (trkH) pir:G	97 us Name 69354	0.00048 <u>Acc#</u> G69354
29406301c2_230 Protein name TRK potassium uptalhomolog Description ORF Name	3352 8574 Re system protein NTID AAI:	Length Length Loc n (trkH) NT AA Length Length Length D Length Length Length	97 us Name 69354	0.00048 <u>Acc#</u> G69354
Protein name TRK potassium uptalhomolog Description ORF Name	3352 8574 Re system protein NTID AAI:	Length Length Loc n (trkH) NT AA Length Length Length D Length Length Length	97 us Name 69354 Score	O.00048 Acc# G69354 Probability

ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
32125280_f3_154 Protein name	3354	8576	61	Locus	s Name	Acc#	
Description							
NO-HIT							
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
33229628 <u></u> ±3 <u></u> 163	3355	8577	65	198			
Protein name				Locus	Name	Acc#	
Description				e •			
NO-HIT							
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
ORF Name 3.3.3.6.90.1.7	<u>NTID</u>	<u>AAID</u> 8578	Length		<u>Score</u> 109	Probability 2.5e-05	
			Length	Length			2.0
3.3.3.6.9.0.1.7 <u></u>	3356	8578	Length 274	Length	109 Name	2.5e-05	
3336.9017c3286 Protein name	3356	8578	Length 274	Length B25 Locus	109 Name	2.5e-05 <u>Acc#</u>	
33369017_c3_286 Protein name probable araC famil	3356	8578	Length 274	Length B25 Locus	109 Name	2.5e-05 <u>Acc#</u>	
Protein name probable araC famil Description	y transcr	8578	Length 274 [274] [3] [3] [4] [5] [6] [6] [6] [7] [7] [6] [7] [7	Length Locus pir:T35	109 3 Name 3902	2.5e-05 Acc# T35902	
Protein name Probable araC famil Description ORF Name	y transcr	B578 AAID	Length 274 Equivalent NT Length	Length Locus Locus AA Length	109 S Name S Score	2.5e-05 <u>Acc#</u> T35902 Probability	
Protein name Probable araC famil Description ORF Name 33789127_c1_212	y transcr:	AAID	Length 274 Equivalent NT Length 244 7	Length Locus Locus AA Length	109 Some Score 455 Name	2.5e-05 Acc# T35902 Probability 5.4e-43	
Protein name Probable araC famil Description ORF Name 33789127_c1_212 Protein name	y transcr:	AAID	Length 274 Equivalent NT Length 244 7	Length Locus AA Length AA Length	109 Some Score 455 Name	2.5e-05 Acc# T35902 Probability 5.4e-43 Acc#	

			NT	AA	_		
ORF Name	NTID	AAID	Length	Length	Score	Probability	
34084407_f3_158	3358	8580	60	.83			
Protein name				Locus	Name	Acc#	
Description							
NO-HIT				· · · · · · · · · · · · · · · · · · ·]
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
3928385 <u>c1</u> 179	3359	8581	639 1	.920			
Protein name				Locus	Name	Acc#	
Description							
NO-HIT	(,	-					7
					······································		J
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	***************************************
ORF Name 40.98430t135	*	<u>AAID</u> 8582	Length		Score 656	Probability 2.7e-64	
	*		Length	Length			
40.9843.0 <u></u> ±1 <u></u> 3.5	3360	8582	Length	Length	656 Name	2.7e-64	
40.98430tl35 Protein name	3360	8582	Length	Length 188 Locus	656 Name	2.7e-64 <u>Acc#</u>	
Protein name putative membrane	transport p	8582	Length	Length 188 Locus	656 Name	2.7e-64 <u>Acc#</u>	
Protein name putative membrane Description	transport p	8582	Length 395	Length Locus gp:SCC7	656 Name	2.7e-64 Acc# AL133220	
Protein name putative membrane Description	transport p	8582	Length	Length 188 Locus	656 Name	2.7e-64 <u>Acc#</u>	
Protein name putative membrane Description Streptomyces coel	transport posticolor cosmic	8582 rotein.	Length 395 I	Length Locus gp:SCC7	656 Name	2.7e-64 Acc# AL133220	
Protein name Description Streptomyces coel ORF Name 4101550_cl_202	icolor cosmic	8582 rotein. d C75A.	Length 395 I	Length Locus gp:SCC7	656 Name Score	2.7e-64 Acc# AL133220 Probability	
Protein name putative membrane Description Streptomyces coel ORF Name 4101550_cl_202	icolor cosmic	8582 rotein. d C75A.	Length 395 I	Length Locus gp:SCC7	Score 208 Name	2.7e-64 Acc# AL133220 Probability 8.0e-17	

ORF Name	NTID AAID	Length Length -	Score Probability
4175305_f2_72 Protein name	3362 8584	Locus N	Jame <u>Acc#</u>
Description			
NO-HIT			
ORF Name	NTID AAID	<u>NT</u> <u>AA</u> Length Length	core Probability
42700 <u></u> £1 <u></u> 17	3363 8585	247 744	
Protein name		Locus N	Iame Acc#
Description			
NO-HIT			
ORF Name	NTID AAID	NT AA Length Length S	core Probability
44146.7.7 <u></u> c2 <u>.</u> 249	3364 8586	206 621 54	5.3e-52
Protein name		Locus N	Tame Acc#
		sp:HIS2_K	LEPN 024714
Description			- ₃
ORF Name	NTID AAID	NT AA Length Length	core Probability
4459456 <u></u> c3 <u></u> 268	3365 8587	407 1224 15	3.9e-07
<u>Protein name</u>		Locus N	ame Acc#
chromosome assembl	y protein homolog	pir:B7035	6 B70356
Description			
		NT AA	
ORF Name	NTID AAID	Length Length S	core Probability
4.723.450£18	3366 8588	68 207 79	0.017
Protein name		Locus N	ame Acc#
hypothetical prote	in YHR167w	pir:S5260	9 S52609
Description			

ORF Name	NTID AAID	NT AA Length Length	Score	Probability
4875287_c1_211	3367 8589	199 600	440	2.1e-41
Protein name		Locu	s Name	Acc#
		sp:HIS	5_ECOLI	P10375
Description				
AMIDOTRANSFERASE	HISH,			
		NITT 7.7		
ORF Name	NTID AAID	NT AA Length Length	Score	Probability
4878126_c2_251	3368 8590	390 1173	700	5.8e-69
Protein name		Locu	s Name	Acc#
diaminopimelate d	ecarboxylase,	pir:C7	0404	C70404
Description				
ORF Name	NTID AAID	<u>NT</u> <u>AA</u> Length Length	Score	Probability
4885942 <u></u> c2 <u></u> 250	3369 8591	377 1134	538	8.6e-52
Protein name		Locu	s Name	Acc#
precursor monofun	ctional aspartokina	gp:AF1	35862	AF135862
Description				
Glycine max precu	rsor monofunctional	aspartokinase mR	NA, comple	etecds.
		NT AA		
ORF Name	NTID AAID	Length Length	Score	Probability
4901562 <u></u> c2 <u></u> 224	3370 8592	446 1341	378	1.8e-39
Protein name		Locu	s Name	Acc#
cell division inh	ibitor:protein	pir:S7	7404	S77404
slr1223:protein sl		<u> </u>		
Description				

	NAME OF STREET	3 3 T.D	NT	AA Longth	Score	Probability	
ORF Name	NTID	AAID	<u>Length</u>	Length			
5177305_f1_18	3371	8593	320	963	738	5.5e-73	
Protein name				Locus	Name	Acc#	
				sp:YBI	_ECOLI	P75782	
Description							
HYPOTHETICAL 34.2	KD PROTEIN	IN DING-0	GLNQ INTE	ERGENIC F	REGION]
			NT	AA	0	Dwohobilita	
ORF Name	NTID	AAID	Length	Length	Score	Probability	
5329811_f2_96	3372	8594	303	912	190	2.8e-13	
Protein name				Locus	s Name	Acc#	
transcription regu homolog ydeE	lator AraC/	XylS fam:	ily	pir:G6	9777	G69777	
Description							
			NT	AA	Score	Probability	
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
ORF Name 58.75817c2240	-	<u>AAID</u> 8595	Length		Score	Probability 6.5e-12	
			Length	Length		T	
58.758.17 <u></u> c2 <u></u> 24.0	tT: hypothet	8595	Length	Length	162 S Name	6.5e-12	
Protein name mutator protein mu	tT: hypothet	8595	Length	Length 771 Locus	162 S Name	6.5e-12 <u>Acc#</u>	
Protein name mutator protein musll1045:hypothetica	tT: hypothet	8595	Length	Length 771 Locus	162 S Name	6.5e-12 <u>Acc#</u>	
Protein name mutator protein musll1045:hypothetica	tT: hypothet	8595	Length	Length 771 Locus	162 S Name	6.5e-12 <u>Acc#</u>	
Protein name mutator protein musll1045:hypothetica Description	tT:hypothet l protein s	8595 ical prof 111045	Length 256 tein NT Length	Length 771 Locus pir: \$77	162 S Name 4508	6.5e-12 <u>Acc#</u> \$74508	
Protein name mutator protein musll1045:hypothetica Description ORF Name	T:hypothet protein s	acal problems of the state of t	Length 256 tein NT Length	Length Locus pir:S7	162 S Name 4508 Score	6.5e-12 Acc# S74508 Probability	
Protein name mutator protein musll1045:hypothetica Description ORF Name 631558_f2_95	T:hypothet protein s	acal problems of the state of t	Length 256 tein NT Length	Length Locus AA Length Locus Locus	162 S Name 4508 Score	6.5e-12 Acc# S74508 Probability 9.9e-19	
Protein name mutator protein musll1045:hypothetica Description ORF Name 631558_f2_95	T:hypothet protein s	acal problems of the state of t	Length 256 tein NT Length	Length Locus AA Length Locus Locus	162 S Name 4508 Score 226 S Name	6.5e-12 Acc# S74508 Probability 9.9e-19 Acc#	

			NT	AA Tarantala	Score	Probability
ORF Name	NTID	AAID	Length	<u>Length</u>		
800677_c1_184	3375	8597	572	.719		
Protein name				Locus	Name	Acc#
D						
Description						
NO-HIT					1	
			NT	AA	G	Decel- 1-2724
ORF Name	NTID	AAID	Length	Length	Score	Probability
9792715 <u></u> c2236	3376	8598	1242	3729	194	2.7e-23
Protein name				Locus	Name	Acc#
chromosome assembly	protein	homolog		pir:B70	356	B70356
Description					1	
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
9820893 <u></u> c1 <u></u> 216	3377	8599	[68] [2	207		
Protein name			L	Locus	Name	Acc#
					-	
Description						
NO-HIT	11			* -		
		*	NT	AA		
ORF Name	NTID	AAID	Length	Length	Score	Probability
12583432 <u></u> c1 <u></u> 57	3378	8600	111	336	146	3.0e-10
Protein name				Locus	Name	Acc#
				gp:AB00	6709	AB006709
Description				•		
Vibrio alginolyticu	s rpoN de	ne for RNZ	A polvmen	rase sign	a facto	N,partial
and complete cds.	F-21. 3		<u> </u>	J		

ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
14508412_c3_77	3379	8601	174	525	158	1.6e-11
Protein name	· ·			Locus	Name	Acc#
	•			sp:RL10	_BACSU	P42923
Description						
(VEGETATIVE PROTE	IN 300) (VE	G300)				
			NTP	AA		
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
19627151_£1_16	3380	8602	196	591	383	2.3e-35
Protein name				Locus	Name	Acc#
hypothetical prote	ein RP516			pir:F7	1655	F71655
Description						
						-
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
ORF Name 22462765t347		<u>AAID</u>	Length		<u>Score</u>	Probability
			Length	Length		
22462765 <u></u> £3 <u></u> 47			Length	Length	1077 s Name	6.6e-109
22462765f347 Protein name			Length	Length 1782 Locus	1077 s Name	6.6e-109 Acc#
Protein name aminopeptidase P	3381	8603	Length	Length Locus Locus gp:DME	1077 s Name	6.6e-109 Acc#
Protein name aminopeptidase P Description	3381	8603	Length 593	Length Locus gp:DME	1077 s Name	Acc# AJ131920
Protein name aminopeptidase P Description	3381	8603	Length	Length Locus Locus gp:DME	1077 s Name	6.6e-109 Acc#
Protein name aminopeptidase P Description Drosophila melanog	gaster Dami	nopep-p g	Length 593 ene, part NT Length	Length Locus gp:DME	1077 S Name	Acc# AJ131920
Protein name aminopeptidase P Description Drosophila melanocommon of the second of	gaster Dami	nopep-p g	Length 593 ene, part NT Length	Length Locus gp:DME tial. AA Length	1077 S Name 131920 Score	Acc# AJ131920 Probability
Protein name aminopeptidase P Description Drosophila melanos ORF Name 23.710302_c2_65	gaster Dami	nopep-p g	Length 593 ene, part NT Length	Length Locus gp:DME: tial. AA Length Locus Locus	1077 S Name 131920 Score	Acc# AJ131920 Probability 6.5e-212
Protein name aminopeptidase P Description Drosophila melanos ORF Name 23.710302_c2_65	gaster Dami	nopep-p g	Length 593 ene, part NT Length	Length Locus gp:DME: tial. AA Length Locus Locus	1077 S Name 131920 Score 2049 S Name	Acc# AJ131920 Probability 6.5e-212 Acc#

ORF Name	NTID AAID	NT AA Score Probability Length Length
24407752_c2_67	3383 8605	151 456 442 1.3e-41
Protein name		Locus Name Acc#
		sp:RL11_MYCTU P96931
Description		
50S RIBOSOMAL PRO	TEIN L11	
		NTT 7.7
ORF Name	NTID AAID	NT AA Score Probability Length Length
274030_f1_12	3384 8606	95 288 108 3.2e-06
Protein name		Locus Name Acc#
hypothetical prot	ein PH1485	pir:H71023 H71023
Description		
ORF Name	NTID AAID	NT AA Score Probability
ORF Name 2985637c159		— Score Probability
		Length Length Score Probability
2985637c159		Length Length Score Probability 114 345 93 0.00012
2985637_cl_59 Protein name		Length Length Score Probability 114 345 93 0.00012 Locus Name Acc#
2985637_cl_59 Protein name SecE protein		Length Length Score Probability 114 345 93 0.00012 Locus Name Acc# pir:JE0331 JE0331
2985637_cl_59 Protein name SecE protein		Length Length Score Probability 114 345 93 0.00012 Locus Name Acc#
2985637_cl_59 Protein name SecE protein Description	3385 8607 NTID AAID	Length Length Score Probability Locus Name Acc# pir:JE0331 JE0331 NT AA Score Probability
Protein name SecE protein Description ORF Name	3385 8607 NTID AAID	Length Length Score Probability Locus Name Acc# Dir:JE0331 NT AA Length Length Score Probability Length Length Score Probability
Protein name SecE protein Description ORF Name 34120287_c3_76.	3385 8607 NTID AAID	Length Length Score Probability 114 345 93 0.00012 Locus Name Acc# pir:JE0331 JE0331 NT AA Length Score Probability 76 231 168 1.4e-12
Protein name SecE protein Description ORF Name 34120287_c3_76.	3385 8607 NTID AAID	Length Length Score Probability 114 345 93 0.00012 Locus Name Acc# pir:JE0331 JE0331 NT AA Score Probability Length Length 1.4e-12 Locus Name Acc#

ORF Name	NTID	AAID	NT Length	<u>AA</u> Length	Score	Probability
36222568_c2_60	3387	8609	410 1	.233	390	4.1e-36
Protein name				Locu	s Name	Acc#
3-deoxy-manno-octu	losonic aci	d transfe	erase	gp:SMU	52844	U52844
Description						
Serratia marcescen putativeglycosyltra (waaQ),3-deoxy-mann glucosyltransferase Fpg(fpg) gene, part	nsferase, p o-octuloson (waaE), an	utative ic acid	heptosyll transfera	III tran ase (waa	A),	s; and
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
4297002 <u></u> c2 <u>63</u>	3388	8610	308	927	507	1.7e-48
Protein name				Locu	s Name	Acc#
tyrosine recombina	se XerD			gp:AF0	93548	AF093548
Description		* *				
Staphylococcus aur	eus tyrosin	e recomb	inase Xei	rD (xerD) gene,c	omplete cds.
ORF Name	NTID	AAID	NT Length	<u>AA</u> Length	Score	Probability
44.72125 <u>_</u> c2 <u>_</u> 66	3389	8611	190	573	384	1.8e-35
Protein name				Locu	ıs Name	Acc#
99% identity over coli	181 amino a	cids wit	h E.	gp:STY	STMF1	AF170176
Description			*	_		
Salmonella typhim	ırium fragme	ent STMF1	- •			
			NT	AA	Score	Probability
ORF Name	NTID	AAID	Length	Length		
5897507 <u></u> c2 <u></u> 68	3390	8612	180	543	463	7.6e-44
Protein name				Locu	ıs Name	Acc#
				sp:RL1	_STRSQ	Q07976
Description						
50S RIBOSOMAL PRO	TEIN L1					

NT AA Score Probability	У
[6839052_c1_56] 3391	
Protein name Locus Name Acc#	
sp:RS21_BORBU O51271	•
Description	
30S RIBOSOMAL PROTEIN S21	
$\frac{\text{NT}}{\text{NT}}$, $\frac{\text{AA}}{\text{Core}}$, Score Probabilit	37
ORF Name NTID AAID Length Length Probabilit	<u>Y</u>
781536_c3_78 3392 8614 138 417 339 1.0e-30	
Protein name Locus Name Acc#	
sp:RL7_HAEIN P44348	}
Description	
50S RIBOSOMAL PROTEIN L7/L12	
NT AA 7	
ORF Name NTID AAID Length Length Probabilit	Y
9853461c269	7.2
Protein name Locus Name Acc#	
RNA polymerase B-subunit gp:AF087812 AF0878	312
Description	
Legionella pneumophila RNA polymerase B-subunit (rpoB) gene, complete cds and RNA polymerase B'-subunit (rpoC) gene, partialcds.	*
$rac{ ext{NT}}{ ext{ORF Name}}$ $rac{ ext{NTID}}{ ext{NTID}}$ $rac{ ext{AAID}}{ ext{Length}}$ $rac{ ext{Length}}{ ext{Length}}$ $rac{ ext{Score}}{ ext{Probabilit}}$	·Y
14650337f22	T.
Protein name Locus Name Acc#	
Protein name Locus Name Acc#	
unknown gp:U96771 U96777	L
	ı

	_		NT	AA	Saoro	Probability
ORF Name	NTID	AAID	Length	Length	Score	FIODADITICY
24415717_f3_4	3395	8617	77 2	234	146	1.6e-09
Protein name				Locus	s Name	Acc#
				sp:SUC	_THEFL	P25126
Description						
SUCCINYL-COA SYNTH	ETASE BETA	CHAIN, (S	SCS-BETA)			
			NTITI	7.7		
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
33324216_f2_1	3396	8618	668 2	2007	473	2.0e-42
Protein name				Locus	s Name	Acc#
115K outer membran	e protein	precursor	:SusC	pir:JC	5027	JC6027
protein						
Description						
***			NT	AA	<u></u>	
ORF Name	NTID	AAID	<u>Length</u>	Length	Score	Probability
23617128 <u></u> c1 <u></u> 25	3397	8619	405	1218	734	1.5e-72
Protein name				Locu	s Name	Acc#
putative hydrolase						
				gp:SCM	1.1	AL133278
Description				gp:SCM	11	AL133278
Description Streptomyces coeli		id M11.		gp:SCM	11	AL133278
		id M11.	NIT		11	
		aid M11.	NT Length	gp:SCM AA Length	Score	AL133278 Probability
Streptomyces coeli	color cosm		<u>Length</u>	AA		
Streptomyces coeli	color cosm	AAID	<u>Length</u>	AA Length	Score	Probability
ORF Name 24317062_f2_14	NTID	AAID	<u>Length</u>	AA Length	Score 220 s Name	Probability 2.2e-18

ORF Name	NTID AAII		AA ngth Score	Probability
2991276_f3_19 Protein name	3399 8621	528 1587	165 Locus Name	5.5e-09 Acc#
Troccin mana		ar	:BOU15179	U15179
Description		and The	mnlete ada a	adnutative
Bacteroides ova transketolase, p	tus arabinosidase (a artial cds.	asdii, gene, co	mprece cas as	
ORF Name	NTID AAII		AA ngth Score	Probability
31437792_£1_9	3400 8622	244 735	7	
Protein name			Locus Name	Acc#
Description				* .
NO-HIT				
ODE Name	NUTTO AAT		AA ngth Score	Probability
ORF Name	NTID AAI	D Length Le	AA Score	Probability
35837506 <u></u> c1 <u></u> 20		D Length Le	— score	Probability Acc#
35837506c120 Protein name		D Length Le	ngth Score	· ·
Protein name Description		D Length Le	ngth Score	· ·
35837506c120 Protein name		D Length Le	ngth Score Locus Name	· ·
Protein name Description		D Length Le	ngth Score	· ·
3583.7506cl20 Protein name Description NO-HIT		D Length Le	Locus Name AA Score	Acc#
35837506_cl_20 Protein name Description NO-HIT ORF Name		D Length Le	Locus Name AA Score angth Locus Name Locus Name	Acc# Probability 0.017 Acc#
3583.7506cl20 Protein name Description NO-HIT ORF Name 4039086cl24	NTID AAI	D Length Le	Locus Name AA Score angth Score 102	Acc# Probability 0.017
Protein name Description NO-HIT ORF Name 4039086cl24 Protein name endo-a1,5-arabi	NTID AAI	D Length Le	AA Score ength Locus Name Locus Name Locus Name p:PFARBA	Acc# Probability 0.017 Acc#

ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
10751260_£3_9	3403	8625	740	2223	842	2.2e-89
Protein name			-	Locus	Name	Acc#
				sp:HLY2	ECOLI	P10089
Description						
HEMOLYSIN SECRETION	ATP-BIND	ING PROTE	IN, CHRO	MOSOMAL		
	1,7		NT	<u>AA</u>	Score	Probability
ORF Name	NTID	AAID	Length	<u>Length</u>		
23635937_f1_2	3404	8626	203	612		
Protein name				Locus	s Name	Acc#
Description						
NO-HIT		м				
			NT	AA	Score	Probability
ORF Name	NTID	AAID	<u>NT</u> Length	AA Length	Score	Probability
ORF Name 24644135fl1	<u>NTID</u>	<u>AAID</u> 8627	Length		Score	Probability
1			Length	Length	Score s Name	Probability Acc#
24644135 <u></u> .£1 <u></u> 1			Length	Length		
24644135f1_1			Length	Length		
Protein name Description			Length	Length 672 Locu	s Name	Acc#
Protein name Description			Length	Length		
Protein name Description NO-HIT	3405 NTID	8627	Length 223	Length 672 Locu AA	s Name	Acc#
Protein name Description NO-HIT ORF Name	3405 NTID	8627 AAID	Length 223 NT Length	Length Locu AA Length	s Name	Acc# Probability
24644135f11 Protein name Description NO-HIT ORF Name 24665831f37	NTID . 3406	8627 AAID	Length 223 NT Length	Length Locu AA Length	Score 146 S Name	Acc# Probability 4.8e-08
Protein name Description NO-HIT ORF Name 24665831_f3_7. Protein name	NTID . 3406	8627 AAID	Length 223 NT Length	Length Locu AA Length 720 Locu	Score 146 S Name	Acc# Probability 4.8e-08 Acc#

ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
33442593_f2_6	3407	8629	208	527			
Protein name				Locus	Name	Acc#	
Description							
NO-HIT							
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
1347692£11	. 3408	8630	255	768	557	8.3e-54	
Protein name		-		Locus	3 Name	Acc#	
				sp:ATC	S_SYNY3	P73241	
Description							
	A 4005371 15	***					
CATION-TRANSPORTIN	G ATPASE P	ACS,		i			
CATION-TRANSPORTIN	G ATPASE P	ACS,	NT	ΔA			
CATION-TRANSPORTIN	NTID	AAID	NT Length	<u>AA</u> Length	Score	Probability	
	NTID	9	Length		Score	Probability 9.6e-13	
ORF Name	NTID	AAID	Length	Length			
ORF Name 48828124_c1_5	<u>NTID</u>	<u>AAID</u> 8631	Length	Length	178 s Name	9.6e-13	
ORF Name 48828124_c1_5	<u>NTID</u>	<u>AAID</u> 8631	Length	Length 204 Locu	178 s Name	9.6e-13 <u>Acc#</u>	
ORF Name 48828124cl5 Protein name hypothetical prote	<u>NTID</u>	<u>AAID</u> 8631	Length	Length 204 Locu pir:E7	178 s Name	9.6e-13 <u>Acc#</u> E71620	
ORF Name 48828124cl5 Protein name hypothetical prote	<u>NTID</u>	<u>AAID</u> 8631	Length	Length 204 Locu	178 s Name	9.6e-13 <u>Acc#</u> E71620 Probability	3
ORF Name 48828124_c1_5 Protein name hypothetical prote Description	NTID 3409 in PFB0225 NTID	<u>AAID</u> 8631	Length 67 NT Length	Length Locu pir:E7	178 s Name 1620	9.6e-13 <u>Acc#</u> E71620	
ORF Name 48828124_c1_5 Protein name hypothetical prote Description ORF Name	NTID 3409 in PFB0225 NTID	<u>AAID</u> 8631 .c	Length 67 NT Length	Length Locu pir:E7 AA Length 192	178 s Name 1620 Score	9.6e-13 <u>Acc#</u> E71620 Probability	
ORF Name 48828124c15 Protein name hypothetical prote Description ORF Name 48828124c28	NTID 3409 in PFB0225 NTID 3410	<u>AAID</u> 8631 C <u>AAID</u> 8632	Length 67 NT Length	Length Locu pir:E7 AA Length 192	178 s Name 1620 Score 168 s Name	9.6e-13 Acc# E71620 Probability 1.2e-11	

	_	NT AA Score	Probability
ORF Name	NTID AAID	<u>Length</u> <u>Length</u>	
48828124_c3_10	3411 8633	61 186 50	0.0053
Protein name		Locus Name	Acc#
	tion factor eIF-2 b	eta pir:T17104	T17104
chain			
Description			
ORF Name	NTID AAID	NT <u>AA</u> Length Length	Probability
12587876 <u></u> c2118	3412 8634	767 2304 195	2.2e-11
Protein name		Locus Name	Acc#
115K outer membran protein	e protein precursor	pir:JC6027	JC6027
Description		,	
•			
		NT AA	
ORF Name	NTID AAID	NT AA Score	Probability
ORF Name 15040927c180		— Score	Probability 2.7e-16
		Length Length Score	
		Length Length Score 190 573 203	2.7e-16
		Length Length Score 190 573 203 Locus Name	2.7e-16 <u>Acc#</u>
15040927c180		Length Length Score 190 573 203 Locus Name	2.7e-16 <u>Acc#</u>
Protein name Description		Length Length Score 190 573 203 Locus Name sp:YM67_ARCFU	2.7e-16 <u>Acc#</u> 028017
Protein name Description		Length Length Score 190 573 203 Locus Name sp:YM67_ARCFU	2.7e-16 <u>Acc#</u>
Protein name Description (EC 1)	3413 8635 NTID AAID	Length Length Score 190 573 203 Locus Name sp:YM67_ARCFU	2.7e-16 <u>Acc#</u> 028017
Protein name Description (EC 1) ORF Name	3413 8635 NTID AAID	Length Length Score 190 573 203 Locus Name sp:YM67_ARCFU NT AA Length Length Score	2.7e-16 <u>Acc#</u> 028017
Description (EC 1) ORF Name 15632927_c3_157	3413 8635 NTID AAID	Length Length Score 190 573 203 Locus Name sp:YM67_ARCFU NT AA Length Length Score 240 720	2.7e-16 Acc# 028017 Probability
Description (EC 1) ORF Name Protein name	3413 8635 NTID AAID	Length Length Score 190 573 203 Locus Name sp:YM67_ARCFU NT AA Length Length Score 240 720	2.7e-16 Acc# 028017 Probability

			NT	AA	_	B . 3. 1 12 1 mm
ORF Name	NTID	AAID	Length	Length	Score	<u>Probability</u>
20336010_f2_50	3415	8637	305	918	132	9.8e-06
Protein name				Locus	Name	Acc#
endo-1,4-beta-xyla	nase homolo	og yjeA		pir:G69	9849	G69849
Description						
			NT	AA	······································	
ORF Name	NTID	AAID	Length	Length	Score	Probability
23615882 <u></u> £2 <u></u> 38	3416	8638	671	2016	1649	1.6e-169
Protein name				Locus	Name	Acc#
hypothetical prote	ein			gp:PAL	243361	AJ243361
Description						*
Prevotella albens	is ORF1, is	olate M38	4.			
Prevotella albens	is ORF1, is	olate M38		λλ		
Prevotella albens	is ORF1, iso	AAID	MT Length	<u>AA</u> Length	Score	Probability
	NTID		<u>NT</u> Length		Score	Probability 3.3e-256
ORF Name	NTID	AAID	NT Length	Length		
ORF Name 23.625277£379	NTID 3417	AAID	NT Length	Length	2467 s Name	3.3e-256
ORF Name 23625277f379 Protein name	NTID 3417	AAID	NT Length	Length 2862 Locus	2467 s Name	3.3e-256 <u>Acc#</u>
ORF Name 23625277f379 Protein name hypothetical prote	NTID 3417	AAID	NT Length	Length 2862 Locus	2467 s Name	3.3e-256 <u>Acc#</u>
ORF Name 23625277f379 Protein name hypothetical prote	NTID 3417	AAID	NT Length	Length 2862 Locus	2467 s Name	3.3e-256 <u>Acc#</u>
ORF Name 23625277f379 Protein name hypothetical protein description	NTID 3417 ein NTID	<u>AAID</u> 8639	NT Length 953	Length Locus Locus Pir:S7	2467 S Name	3.3e-256 <u>Acc#</u> S76257
ORF Name 23625277f379 Protein name hypothetical protein Description ORF Name	NTID 3417 ein NTID	AAID 8639	NT Length 953	Length Locus Locus Pir:S7	2467 S Name 6257 Score	3.3e-256 <u>Acc#</u> S76257 Probability
ORF Name 23625277f379 Protein name hypothetical protein Description ORF Name 23712752c191	NTID 3417 ein NTID 3418	AAID AAID 8640	NT Length NT Length NT Length 737	Length Locus Locus Pir:S7	2467 S Name Score 1460 S Name	3.3e-256 Acc# S76257 Probability 9.0e-161
ORF Name 23.625277_t379 Protein name hypothetical protein Description ORF Name 23.7127.52c191 Protein name	NTID 3417 ein NTID 3418	AAID AAID 8640	NT Length NT Length NT Length 737	Length Locus Pir:S7 AA Length 2214 Locu	2467 S Name Score 1460 S Name	3.3e-256 Acc# S76257 Probability 9.0e-161 Acc#

			NT	AA Tongth	Score	Probability
ORF Name	NTID	AAID	Length	Length		
24475400_f1_2	3419	8641	214 6	45	138	6.4e-08
Protein name				Locus	Name	Acc#
response regulator	•			gp:PPUY	18245	Y18245
Description						
Pseudomonas putidatodI, todH, todS, t		F, todC1,	todC2, t	odB, too	A, todD,	todE, todG,
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
24806562_f1_6	3420	8642	132	399		
Protein name				Locus	Name	Acc#
Description						
NO-HIT						
110 1111	*	1				
ORF Name	NTID	AAID	<u>NT</u> Length	AA Length	Score	Probability
		<u>AAID</u> 8643	Length		Score	Probability 8.7e-24
ORF Name			Length	Length		
ORF Name 25525416t112			Length	Length 957 Locus	282	8.7e-24
ORF Name 25525416t112			Length	Length 957 Locus	282 s Name	8.7e-24 <u>Acc#</u>
ORF Name 25525416t112 Protein name	3421		Length	Length 957 Locus	282 s Name	8.7e-24 <u>Acc#</u>
ORF Name 25525416t112 Protein name Description	3421		Length	Length 957 Locus	282 S Name B_BUTFI	8.7e-24 Acc# P26223
ORF Name 25525416t112 Protein name Description	3421		Length	Length Documents Locuments Sp:XYN	282 s Name	8.7e-24 <u>Acc#</u>
ORF Name 25525416f112 Protein name Description D-XYLAN XYLANOHYD	3421 ROLASE B) NTID	8643	Length 318	Length Locus Sp:XYN	282 S Name B_BUTFI	8.7e-24 Acc# P26223
ORF Name 25525416f112 Protein name Description D-XYLAN XYLANOHYD ORF Name	3421 ROLASE B) NTID	B643	Length 318	Length Locus Sp:XYN AA Length	282 S Name B_BUTFI Score	Probability
ORF Name 25525416f112 Protein name Description D-XYLAN XYLANOHYD ORF Name 25567276c190	3421 ROLASE B) NTID 3422	B643	Length 318	Length Locus Sp:XYN AA Length	282 S Name B_BUTFI Score 115 S Name	Probability 5.7e-07

ORF Name	NTID	AAID	<u>NT</u> Length	AA Length	Score	Probability
26281308_f1_15	3423	8645	106	321		
<u>Protein name</u>				Locus	Name	Acc#
Description NO-HIT						
110 1111						
ORF Name	NTID	AAID	<u>NT</u> <u>Length</u>	AA Length	Score	Probability
29579692 <u></u> .£2 <u></u> 39	3424	8646	282	349	102	0.023
Protein name				Locus	Name	Acc#
				gp:AF02	5396	AF025396
Description						
Vibrio anguilla	rum rfb region	n, partia	I sequen	ce.		
-		· · · · · · · · · · · · · · · · · · ·	NT	AA		Decel alad 1 days
ORF Name	NTID	AAID	Length	Length	Score	Probability
ORF Name 30276381_£3_61		<u>AAID</u> 8647	Length		Score 259	2.6e-19
			Length	Length		
30276381 <u>f3</u> 61			Length	Length 1404 Locus	259	2.6e-19
30276381 <u>f3</u> 61			Length	Length 1404 Locus	259 Name	2.6e-19 <u>Acc#</u>
30276381f361 Protein name	3425		Length	Length 1404 Locus	259 Name	2.6e-19 <u>Acc#</u>
Protein name Description	3425		Length	Length 1404 Locus	259 Name BACSU	2.6e-19 Acc# P35164
Protein name Description	3425		Length 467	Length 1404 Locus sp:RESI	259 Name	2.6e-19 <u>Acc#</u>
Protein name Description SENSOR PROTEIN	RESE,	8647	Length 467 NT Length	Length Locus sp:RESI	259 Name BACSU	2.6e-19 Acc# P35164
Protein name Description SENSOR PROTEIN ORF Name	RESE,	AAID	Length 467 NT Length	Length Locus Sp:RESH AA Length	259 S Name BACSU Score	2.6e-19 Acc# P35164 Probability
Protein name Description SENSOR PROTEIN ORF Name 31883436_c1_93	RESE, NTID 3426	AAID	Length 467 NT Length	Length Locus Sp:RESH AA Length	259 3 Name BACSU Score 419 3 Name	2.6e-19 Acc# P35164 Probability 3.5e-39
Protein name Description SENSOR PROTEIN ORF Name 31883436_c1_93	RESE, NTID 3426	AAID	Length 467 NT Length	Length Locus Sp:RESH AA Length Locus Locus	259 3 Name BACSU Score 419 3 Name	2.6e-19 Acc# P35164 Probability 3.5e-39 Acc#

ORF Name	NTID AAID	NT AA Score Probability
32218816_f3_78	3427 8649	221 666 370 5.4e-34
Protein name		Locus Name Acc#
		sp:YCBL_ECOLI P75849
Description		<u></u>
HYPOTHETICAL 23.8 I	KD PROTEIN IN MUKB	-ASPC INTERGENIC REGION
		370
ORF Name	NTID AAID	NT AA Score Probability
33603128_c1_100	3428 8650	129 390 135 4.3e-09
Protein name		Locus Name Acc#
hypothetical protei	in PH0362	pir:G71143 G71143
Description		
ORF Name	NTID AAID	NT AA Score Probability Length Length
34173437 <u>f3</u> 68	8651	296 891 171 9.1e-11
Protein name		Locus Name Acc#
regulatory protein		gp:AF036244 AF036244
Description		
Azotobacter chroococcds; and regulatory		zoate hydroxylase (pobA) gene,partial ne, complete cds.
		NT AA
ORF Name	NTID AAID	NT AA Score Probability
ORF Name 3910880_f2_51		Score Propapility
* * * * * * * * * * * * * * * * * * * *		Length Length Score Probability
3910880 <u></u> £2 <u></u> 51		Length Length Score Probability 237 714 230 3.7e-19
3910880 <u></u> £2 <u></u> 51		Length Length Score Probability 237 714 230 3.7e-19 Locus Name Acc#

ORF Name	NTID AAID	NT AA Score Probability
504010_f2_44	3431 8653	134 405 127 3.1e-08
Protein name		Locus Name Acc#
hypothetical prote	ein APE1455	pir:G72624 G72624
Description		
		NT AA Score Probability
ORF Name	NTID AAID	Length Length
63.51.450 <u></u> £2 <u></u> 35	3432 8654	338 1017 650 1.2e-63
Protein name		Locus Name Acc#
transcription reg	ulator NtrC family	pir:C70396 C70396
Description		
		NT AA Score Probability
ORF Name	NTID AAID	Length Length 101 0.0015
6647150 <u></u> c3 <u></u> 138	3433	130 1477
Protein name		Locus Name Acc#
chitinase IV pred	ursor	gp:AF112966 AF112966
Description	ie.	
Triticum aestivum	n chitinase IV precu	rsor (Cht4) mRNA, complete cds.
ORF Name	NTID AAID	NT AA Score Probability Length Length
10189063 £1 98	3434 8656	433 1302
Protein name		Locus Name Acc#
Description		
NO-HIT		
		NT AA Score Probability
ORF Name	NTID AAID	Length Length
1051942 <u>_</u> f1 <u>_</u> 25	3435 8657	266 801 131 5.1e-06
Protein name		Locus Name Acc#
hypothetical pro-	tein AF2299	pir:C69537 C69537
Description		

ORF Name	NTID	<u>AAID</u>	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
10546880_c2_519	3436	8658	221	566	136	3.8e-07]
Protein name				Locus	Name	Acc#	
hypothetical protei	n PAB0790			pir:H7	5098	H75098	
Description							
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
10586563 <u></u> t2 <u></u> 192	3437	8659	304	915	90	0.0014	
Protein name				Locus	Name	Acc#	
				gp:D420	067	D42067	
Description							
Porphyromonas gingi	valis DNA	for Fimb	rilin, OF	RF1-4, co	mplete d	cds.	
				·			
			NT	. ДД			
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
ORF Name		AAID 8660	Length		Score	Probability	
ž.,			Length	Length	Score Name	Probability Acc#	
10650701t151			Length	Length	,		
1Ω65Ω7Ω1f151 Protein name			Length	Length	,		
Protein name Description			Length	Length .86 Locus	,		
Protein name Description			Length	Length	,		
Protein name Description NO-HIT	3438	8660	Length 61 NT Length	Length Locus	s Name	Acc#]
Protein name Description NO-HIT ORF Name	NTID	<u>AAID</u>	Length 61 NT Length	Length Locus AA Length	Score	Acc# Probability]
10650701f151 Protein name Description NO-HIT ORF Name 10665908f196	NTID 3439	AAID 8661	Length 61 NT Length 302	Length Locus AA Length	Score 81 Name	Acc# Probability 0.023]
Protein name Description NO-HIT ORF Name 10665908_fl_96 Protein name	NTID 3439	AAID 8661	Length 61 NT Length 302	Length Locus AA Length O09 Locus	Score 81 Name	Acc# Probability 0.023 Acc#]

ORF Name 117142_c2_481 Protein name hypothetical protei	NTID AAI 3440 8662	326 98	AA Score Length 304 Locus Name pir:S76925	Probability [5.4e-27 Acc# S76925
Description				· ·
ORF Name 11834807c1346 Protein name	NTID AAI:	NT D Length 1	AA Score Length Locus Name	Probability Acc#
Description				
NO-HIT				
ORF Name 1210252f2116	NTID AAI	NT D Length I		Probability 7.0e-121
Protein name conserved hypotheti	cal protein ymd	A	Locus Name pir:F69884	F69884
Description				
ORF Name 12110668_c1_418	NTID AAI	NT D Length I	AA Score	Probability
Protein name			Locus Name	Acc#
Description				
NO-HIT				
ORF Name 125.01250f2154 Protein name	NTID AAII 3444 8666	NT Length I		Probability 3.1e-06
hypothetical protein	1 PAB1224		Locus Name	A75022
Description				

			$\overline{ ext{NT}}$	<u>AA</u>	Score	Probability
ORF Name	NTID	AAID	<u>Length</u>	Length		
1253425_£1_38	3445	8667	1445 4	.338	822	2.9e-79
Protein name				Locus	Name	Acc#
DNA helicase	related protein			pir:H69	163	H69163
Description						
			NT	AA		1
ORF Name	NTID	AAID	Length	<u>Length</u>	Score	Probability
12612930 <u></u> c2 <u></u> 54	.6	8668	343	1032	146	1.6e-07
Protein name				Locus	Name	Acc#
transmembrane	sensor			gp:AF0	1691	AF051691
Description						
transmembrane	sensor (fiuR),	s factor and hydro	A (pstA), xamate-ty	, ECF sig ypeferris	ma facto sideropho	or(fiuI), ore receptor
(IIuA) genes,	complete cds.					
(IIuA) genes,	complete cas.		NT	AA	-	D. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
ORF Name	NTID	AAID	<u>NT</u> Length	AA Length	Score	Probability
	NTID	<u>AAID</u>	Length		Score	Probability
ORF Name	NTID		Length	Length	Score S Name	Probability Acc#
ORF Name	NTID		Length	Length		
ORF Name 126.97.7.02_t1_17 Protein name	NTID		Length	Length		
ORF Name 126.977.02_t1_17 Protein name Description	NTID		Length	Length	s Name	Acc#
ORF Name 126.977.02_t1_17 Protein name Description	NTID		Length 63	Length 192 Locus		
ORF Name 12697702t117 Protein name Description NO-HIT	NTID	8669	Length 63 NT Length	Length Locus	s Name	Acc#
ORF Name 12697702_f1_17 Protein name Description NO-HIT ORF Name	NTID	AAID	Length 63 NT Length	Length Locus AA Length	Score	Acc# Probability
ORF Name 12697702t117 Protein name Description NO-HIT ORF Name 12770151t214	NTID 3447 NTID NTID 11	AAID	Length 63 NT Length	Length Locus AA Length	Score 128 S Name	Acc# Probability 1.0e-05
ORF Name 126.9.7.7.02t117 Protein name Description NO-HIT ORF Name 127.7.0151t212 Protein name hypothetical Description	NTID 3447 NTID NTID 11	<u>AAID</u> 8670	Length 63 NT Length 289	Length Locus AA Length Locu gp:PST	Score 128 S Name 249385	Acc# Probability 1.0e-05 Acc# AJ249385

			NT	AA	Score	Probability
ORF Name	NTID	AAID	Length	Length	<u>30016</u>	FIODADIIICY
1360802_f3_306	3449	671	373 1	122	100	0.030
Protein name				Locus	Name	Acc#
neurofilament prote	in H form H	2 (repet	itive	pir:B43	427	B43427
region)						
Description						
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
13884627 <u></u> £1 <u></u> 93	3450	3672	125 3	78	260	1.7e-21
Protein name				Locus	Name	Acc#
				sp:TRA2	_BACFR	Q45119
Description						
TRANSPOSASE FOR INS	ERTION SEQU	JENCE ELE	MENT IS2	1-LIKE	0.7	
ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
ORF Name 14344010c1391	NTID		NT Length	AA	Score	Probability 2.0e-59
	NTID	AAID	NT Length	AA Length		
14344010 <u></u> c1 <u></u> 391	NTID 3451 [8	AAID	NT Length	AA Length	610 Name	2.0e-59
14344010_c1_391	NTID 3451 [8	AAID	NT Length	AA Length 12 Locus	610 Name	2.0e-59 <u>Acc#</u>
Protein name probable ion transp	NTID 3451 [8	AAID	NT Length	AA Length 12 Locus	610 Name	2.0e-59 <u>Acc#</u>
Protein name probable ion transp	NTID 3451 [8	AAID	NT Length	AA Length 12 Locus	610 Name	2.0e-59 <u>Acc#</u>
Protein name probable ion transp Description	NTID 3451 Foorter NTID	AAID 3673	NT Length 303	AA Length D12 Locus pir:E75	610 S Name 5470	2.0e-59 <u>Acc#</u> E75470
Protein name probable ion transp Description ORF Name	NTID 3451 Foorter NTID	AAID AAID	NT Length 303	AA Length Locus Locus AA Length	610 Name 6470 Score	2.0e-59 Acc# E75470 Probability
Protein name Probable ion transp Description ORF Name 14501300_f1_43	NTID 3451 Foorter NTID	AAID AAID	NT Length 303	AA Length Locus AA Length Locus Locus Locus Locus	610 Name 6470 Score 71	2.0e-59 Acc# E75470 Probability 0.040
Protein name Probable ion transp Description ORF Name 14501300_f1_43	NTID 3451 Foorter NTID	AAID AAID	NT Length 303	AA Length Locus AA Length Locus Locus Locus Locus	610 S Name S470 Score 71 S Name	2.0e-59 Acc# E75470 Probability 0.040 Acc#

		NT AA	Dechability
ORF Name	NTID AAID	Length Length Score	Probability
14730202_c3_613	3453 8675	88 267 99	9.4e-05
Protein name		Locus Name	Acc#
hypothetical prot	ein F13D12.3	pir:T20831	T20831
Description			
		NT AA	
ORF Name	NTID AAID	Length Length Score	Probability
14955312 <u></u> c1369	3454 8676	68 207 78	0.012
Protein name		Locus Name	Acc#
		sp:H5_CHICK	P02259
Description			
HISTONE H5			
		NT AA	
ORF Name	<u> AAID</u>	NT AA Score	Probability
		— Score	Probability
ORF Name		Length Length Score	Probability Acc#
ORF Name 15105287t2174		Length Length Score	
ORF Name 15105287t2174 Protein name		Length Length Score	
ORF Name 15105287t2174 Protein name Description		Length Length Score 85 258 Locus Name	
ORF Name 15105287t2174 Protein name Description		Length Length Score	
ORF Name 15105287f21.74 Protein name Description NO-HIT	3455 8677 NTID AAID	Length Length 85 Locus Name NT AA Score	Acc#
ORF Name 15105287t2174 Protein name Description NO-HIT ORF Name	3455 8677 NTID AAID	Length Length 85 Locus Name NT AA Length Length Score	Acc#
ORF Name 15105287t2174 Protein name Description NO-HIT ORF Name 16225407t197	3455 8677 NTID AAID	Length Length 85 258 Locus Name	Acc# Probability
ORF Name 15105287t2174 Protein name Description NO-HIT ORF Name 16225407t197	3455 8677 NTID AAID	Length Length 85 258 Locus Name	Acc# Probability

ORF Name	NTID	AAID		<u>AA</u> Length	Score	Probability	
16407262_t3_222 Protein name	3457 86	79	164 49	Locus	Name	Acc#	
Description							
NO-HIT							
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
16517037 <u></u> t2 <u></u> 194	3458 86	80	61 1	86			
Protein name				Locus	Name	Acc#	
Description							
NO-HIT							
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	*
16525383 <u>f1</u> 99	. 3459 8	681	119 3	60			
Protein name				Locus	Name	Acc#	
Description	•						-
NO-HIT							
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
16923417f3221	. 3460 8	682	63 1	L92			
Protein name				Locus	Name	Acc#	
Description							
NO-HIT]
	MITT	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
ORF Name	NTID 8	683		1353	1085	9.3e-110	
189032f2161 Protein name	<u> </u>				s Name	Acc#	
O-acetylhomoserine	sulfhydryla	se		pir:D7		D72324	
Description				J L			

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	-		$\overline{\text{NT}}$	<u>AA</u>	Score	Probability	
ORF Name	NTID	AAID	Length	Length			
196062_c1_399	3462	8684	227	84	378	7.7e-35	
Protein name				Locus	Name	Acc#	
				sp:YHIL	_ECOLI	P26606	
Description							
HYPOTHETICAL 23.2	KD PROTEIN	IN SLP-H	DEB INTE	RGENIC RE	GION (OF	RF-C)	
ORF Name	NTID	AAID	NT Length	<u>AA</u> Length	Score	Probability	
1992011 cl 367	3463	8685	91]	276			
Protein name			<u> </u>	Locus	Name	Acc#	
Procein name					***	-	
Description						*	
NO-HIT						-	
			איזי	ΔΔ			
ORF Name	NTID	AAID	<u>NT</u> Length	AA Length	Score	Probability	
ORF Name 20047683_f3_225		AAID 8686	Length		Score	Probability	
			Length	Length			
20047683 <u></u> £3 <u></u> 225			Length	Length	772 Name	1.4e-76	
20047683 <u></u> £3 <u></u> 225			Length	Length 1437 Locus	772 Name	1.4e-76 <u>Acc#</u>	
20047683f3225 Protein name	3464	8686	Length	Length 1437 Locus sp:YKG1	772 Name F_ECOLI	1.4e-76 <u>Acc#</u>	
Protein name Description	3464	8686	Length	Length 1437 Locus sp:YKG1	772 Name F_ECOLI	1.4e-76 <u>Acc#</u>	
Protein name Description	3464	8686	Length	Length 1437 Locus sp:YKG1	772 Name F_ECOLI REGION	1.4e-76 Acc# P77536	
Protein name Description	3464	8686	Length 478	Length Locus sp:YKG1 ERGENIC F	772 Name F_ECOLI	1.4e-76 <u>Acc#</u>	
Protein name Description HYPOTHETICAL 53.1	MTID	8686	Length 478 BETA INT NT Length	Length Locus Sp:YKG1 ERGENIC F	772 Name F_ECOLI REGION	1.4e-76 Acc# P77536	
Protein name Description HYPOTHETICAL 53.1 ORF Name	MTID	8686 IN EAEH-	Length 478 BETA INT NT Length	Length Locus Sp:YKG1 ERGENIC F AA Length	772 S Name F_ECOLI REGION Score	1.4e-76 Acc# P77536 Probability	
Protein name Description HYPOTHETICAL 53.1 ORF Name 20.7126.876.04	KD PROTEIN NTID 3465	8686 I IN EAEH- AAID 8687	Length 478 BETA INT NT Length	Length Locus Sp:YKG1 ERGENIC F AA Length	772 3 Name F_ECOLI REGION Score 75 5 Name	1.4e-76 Acc# P77536 Probability 0.047	

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ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
21534653_c3_651	3466	8688	150	453	79	0.0047	
Protein name				Locus	s Name	Acc#	
hypothetical prote	in Rv0603			pir:F7	0909	F70909	
Description							
			NT	AA			
ORF Name	NTID	AAID	<u>Length</u>	<u>Length</u>	Score	<u>Probability</u>	
21995337 <u>_</u> c2 <u>_469</u>	3467	8689	543	1632	227	5.5e-18	
Protein name				Locu	s Name	Acc#	
hypothetical prote	in PH0142			pir:D7	1235	D71235	
Description				*			
	-		NT	AA			
			14 T	<u> </u>	Score	Probability	
ORF Name	NTID	AAID	Length	Length	<u>20016</u>	TIODADITICY	
ORF Name 22052177c3568		<u>AAID</u> 8690		Length 903	90	0.0014	_
				903	\	,	
				903 Locu	90	0.0014	
				903 Locu	90 s Name	0.0014 <u>Acc#</u>	
22052177 <u></u> c3 <u></u> 568 Protein name	3468			903 Locu	90 s Name	0.0014 <u>Acc#</u>	
Protein name Description	3468			903 Locu	90 s Name A_PROVU	0.0014 <u>Acc#</u> Q52620	
Protein name Description	3468		300	903 Locu sp:PQR	90 s Name	0.0014 <u>Acc#</u>	
Protein name Description REGULATORY PROTEIN	N PQRA	8690	300 <u>NT</u>	Locu sp:PQR	90 s Name A_PROVU	0.0014 <u>Acc#</u> Q52620	
Protein name Description REGULATORY PROTEIN ORF Name	N PQRA	8690	NT Length	Locu sp:PQR AA Length	90 s Name A_PROVU	0.0014 <u>Acc#</u> Q52620	-
Protein name Description REGULATORY PROTEIN ORF Name	N PQRA	8690	NT Length	Locu sp:PQR AA Length	90 s Name A_PROVU	0.0014 Acc# Q52620 Probability	

ORF Name	NTID	AAID	NT Length	<u>AA</u> Length	Score	Probability
23445887_f2_152	3470	8692	281	346	107	0.0025
Protein name				Locu	s Name	Acc#
sensory transduction sll1475:protein sll1			5	pir:S7	6818	S76818
Description						
		-	NT	AA	G	Durchahilitus
ORF Name	NTID	AAID	Length	Length	Score	Probability
23476512 <u>c1</u> 344	. 3471	8693	519	1560	1712	3.4e-176
Protein name				Locu	s Name	Acc#
propionyl-CoA carb	oxylase			gp:AB0	07000	AB007000
Description						
Myxococcus xanthus	MxppcB gen	e for pr	opionyl-	CoA carb	oxylase,	complete cds.
			NT	AA	Caoro	Probabilita
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
ORF Name 23635902_c1_445		<u>AAID</u> 8694	Length		Score 94	Probability 0.038
			Length	Length		
			Length	Length	94 s Name	0.038
Protein name ORF188 Description	3472	8694	Length	Length 1056 Locu gp:ABC	94 .s Name	0.038 <u>Acc#</u> AB000109
23635902_cl_445 Protein name ORF188	3472	8694	Length	Length 1056 Locu gp:ABC	94 .s Name	0.038 <u>Acc#</u> AB000109
Protein name ORF188 Description	3472	8694	Length	Length 1056 Locu gp:ABC	94 S Name 00109 sequence	0.038 Acc# AB000109
Protein name ORF188 Description	3472	8694	Length 351	Length 1056 Locu gp:ABC omplete	94 .s Name	Acc# AB000109 Probability
23635902_cl_445 Protein name ORF188 Description Dictyostelium disc	3472 coideum mito	8694	Length 351 I DNA, c NT Length	Length Locu gp:ABC omplete	94 S Name 00109 sequence	0.038 Acc# AB000109
Protein name ORF188 Description Dictyostelium disconstruction	3472 coideum mito	echondria	Length 351 I DNA, c NT Length	Length Locu Gp:ABC omplete AA Length 3285	94 Sore	Acc# AB000109 Probability
Protein name ORF188 Description Dictyostelium disc ORF Name 23838137c2547	3472 coideum mito	echondria	Length 351 I DNA, c NT Length	Length Locu gp:ABC omplete AA Length 3285	94 s Name 00109 sequence Score	0.038 Acc# AB000109 Probability 1.0e-47
Protein name ORF188 Description Dictyostelium disc ORF Name 23838137c2547	NTID 3473 RagA)	echondria AAID 8695	Length 351 I DNA, c NT Length 1094	Length Locu gp:ABC omplete AA Length 3285 Locu gp:PGI	94 s Name 00109 sequence Score 300 as Name	Drobability 1.0e-47 Acc# AJ130872

ORF Name	NTID AA	NT Length	AA Length Score	Probability
241542_f1_86 Protein name	3474 8696	98	Locus Name	Acc#
Description NO-HIT				
NOTILL				
ORF Name	NTID AA	NT Length	AA Length Score	Probability
24219077_c1_439	3475 8697	179	540 404	1.4e-37
Protein name			Locus Name	Acc#
RNA polymerase sig	ma factor SigZ-	like protein	gp:AF137263	AF137263
Description	-	-		
Bacteroides thetai gene cluster, and R complete cds.	otaomicron 30S NA polymerase s	ribosomal pr sigma factorS	otein S16-likepı igZ-like proteir	rotein, fucose n (sigZ) genes,
ORF Name	NTID AA	<u>NT</u> AID Length	AA Length Score	Probability
242250063666	3476 8698	769	2310 1773	1.2e-182
Protein name			Locus Name	Acc#
hypothetical prote	in b2463		pir:F65021	F65021
Description				
		NT	AA a	D 1 1274
ORF Name			— Score	Probability
<u> </u>	NTID A	Length	<u>Length</u>	-
24225326 <u></u> £2189	NTID A		<u>Length</u> 954 122	7.2e-06
24225326f2_189 Protein name				
			954 122	7.2e-06
	3477 8699	317	Locus Name sp:EXSA_PSEAE	7.2e-06 <u>Acc#</u>

ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
24255332_f1_87	3478	8700	770	2313	504	8.9e-48	
Protein name			<u> </u>	Locus	Name	Acc#	
				sp:YBA	FCOLT		
Description				50.1271			
							_
HYPOTHETICAL 59.4 K	CD PROTEIN	IN GSK-F	SR INTER	GENIC REG			
			NT	AA	Caoro	Probability	
ORF Name	NTID	AAID	Length	<u>Length</u>	Score	Probabilicy	
24258385_c1_412	3479	8701	121	366	285	5.5e-25	
Protein name				Locus	Name	Acc#	
arsenate reductase	homolog y	usI		pir:B70	0021	B70021	
Description				J L			
ODE Name	NIM T I	7 7 TT	NT	AA Longth	Score	Probability	
ORF Name	NTID	AAID	Length	Length	Score	Probability	
ORF Name 2426.0885c357.0		<u>AAID</u>	Length		Score	Probability	
*			Length	Length	Score Score	Probability Acc#	
2425.0885c357.0 Protein name			Length	Length			
Protein name Description			Length	Length			- -
2425.0885c357.0 Protein name			Length	Length			
Protein name Description			Length	Length	s Name	Acc#	
Protein name Description			Length	Length 207 Locus			
Protein name Description NO-HIT	NTID	8702	Length 68 NT Length	Length 207 Locus	s Name	Acc#	
Protein name Description NO-HIT ORF Name	NTID	8702	Length 68 NT Length	Length Locus AA Length	Score	Acc# Probability	
Protein name Description NO-HIT ORF Name 24328338cl444	NTID	8702	Length 68 NT Length	Length Locus AA Length	Score 110 Name	Acc# Probability 0.00067	
Protein name Description NO-HIT ORF Name 24328338cl444	NTID	8702	Length 68 NT Length	Length Locus AA Length Locus Locus	Score 110 Name	Acc# Probability 0.00067 Acc#	

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ORF Name	NTID	AAID	<u>NT</u> Length	AA Length	Score	Probability
24407150_f2_170	3482	8704	296 8	91	157	4.0e-09
Protein name				Locus	Name	Acc#
pobR regulator	3			gp:PSE	(18527	Y18527
Description						
Pseudomonas sp. po	bA, pobR,	pcaQ, pcal	i and pca	G genes.		
			NT	AA	Score	Probability
ORF Name	NTID	AAID	Length	<u>Length</u>	BCOLE	
24413137_f2_118	3483	8705	194	85	122	2.0e-12
Protein name				Locus	s Name	Acc#
				sp:PFS	BACSU	032028
Description						
			NIII	7.7.		
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
ORF Name 24414711c1333	×	<u>AAID</u> 8706	Length		Score 521	Probability 5.4e-50
1	×		Length	Length		*
24414711 <u></u> c1 <u></u> 333	3484		Length	Length 1185 Locu	521	5.4e-50
24414711 <u></u> c1 <u></u> 333	×		Length	Length 1185 Locu	521 s Name	5.4e-50 <u>Acc#</u>
24414711_cl_333 Protein name	3484	8706	Length	Length Locu Sp:PNC	521 s Name	5.4e-50 <u>Acc#</u>
Protein name Description	3484	8706	Length 394	Length Locu sp:PNC	521 s Name	5.4e-50 Acc# P18133
Protein name Description	3484	8706	Length	Length Locu Sp:PNC	521 s Name	5.4e-50 <u>Acc#</u>
Protein name Description NICOTINATE PHOSPHO	NTID	8706 ANSFERASE,	Length (NAPRTA NT Length	Length Locu Sp:PNC	521 s Name B_ECOLI	5.4e-50 Acc# P18133
Protein name Description NICOTINATE PHOSPHOORE	NTID	8706 ANSFERASE,	Length (NAPRTA NT Length	Length Locu Sp:PNC AA Length	521 s Name B_ECOLI Score	Probability
Protein name Description NICOTINATE PHOSPHO ORF Name 24417062t3291	NTID	8706 ANSFERASE, AAID 8707	Length (NAPRTA NT Length	Length Locu Sp:PNC AA Length	Score 124 s Name	Probability 2.3e-06

ORF Name	NTID	AAID	<u>NT</u> Length	AA Length	Score	Probability
24494000_f1_20	3486	8708	182	49	251	2.2e-21
Protein name				Locus	s Name	Acc#
				sp:YGC	-HAEIN	P45097
Description				1		
HYPOTHETICAL PROTE	N HI1189	*				
		5	NT	AA		Deskabilites
ORF Name	NTID	AAID	Length	Length	Score	Probability
24633462_c3_630	3487	8709	366	1101	971	1.1e-97
Protein name				Locus	3 Name	Acc#
	,			sp:YE5	5_HAEIN	P45213
Description						
HYPOTHETICAL PROTE	TN UT1/55					1 1 .
HYPOTHETICAL PROTE	IN HTT400					
HIPOTHETICAL FROID	IN HITTAD		NT	AA		
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
		<u>AAID</u> 8710	Length		Score	Probability 1.7e-46
ORF Name	NTID		Length	Length		
ORF Name 24640885t121	<u>NTID</u>	8710	Length	Length	488 s Name	1.7e-46
ORF Name 24640885t121 Protein name	<u>NTID</u>	8710	Length	Length 747 Locu	488 s Name	1.7e-46 <u>Acc#</u>
ORF Name 24640885t121 Protein name hypothetical prote	<u>NTID</u>	8710	Length	Length 747 Locu pir:T3	488 s Name	1.7e-46 <u>Acc#</u>
ORF Name 24640885t121 Protein name hypothetical prote	<u>NTID</u>	8710	Length	Length 747 Locu	488 s Name	1.7e-46 <u>Acc#</u>
ORF Name 24640885t121 Protein name hypothetical prote Description	NTID 3488 in SCF43A. NTID	05	Length 248 NT Length	Length 747 Locu pir:T3	488 s Name 6428	1.7e-46 Acc# T36428
ORF Name 24640885t121 Protein name hypothetical prote Description ORF Name	NTID 3488 in SCF43A. NTID	8710 05 <u>AAID</u>	Length 248 NT Length	Length Locu Dir:T3 AA Length 1218	488 s Name 6428 Score	1.7e-46 Acc# T36428 Probability
ORF Name 24640885_t1_21 Protein name hypothetical prote Description ORF Name 24641512_t2_187	NTID 3488 in SCF43A. NTID	8710 05 <u>AAID</u>	Length 248 NT Length	Length Locu Dir:T3 AA Length 1218	488 s Name 6428 Score 132 s Name	1.7e-46 Acc# T36428 Probability 6.1e-08
ORF Name 24640885_t1_21 Protein name hypothetical prote Description ORF Name 24641512_t2_187	NTID 3488 in SCF43A. NTID	8710 05 <u>AAID</u>	Length 248 NT Length	Length Locu Pir:T3 AA Length 1218 Locu	488 s Name 6428 Score 132 s Name	1.7e-46 Acc# T36428 Probability 6.1e-08 Acc#

		NT AA Score Probability
ORF Name	NTID AAID	Length Length 6.2e-49
24645932_c2_477	3490 8712	
Protein name		Locus Name Acc#
		sp:YLCB_ECOLI P77211
Description		
PRECURSOR		
ORF Name	NTID AAID	NT AA Score Probability Length Length
24648387_f3_234	3491 8713	320 963 578 4.9e-56
Protein name		Locus Name Acc#
11000011		sp:YNBB_ECOLI
Description		
HYPOTHETICAL 33.	1 KD PROTEIN IN MAOC-	ACPD INTERGENIC REGION
		NT AA
ORF Name	NTID AAID	NT AA Score Probability
ORF Name 24650187t2131		Score Probability
		Length Length Score Probability
24650187 <u></u> £2 <u></u> 131		Length Length Score Probability 443 1332 1119 2.3e-113
24650187 <u></u> £2 <u></u> 131		Length Length Score Probability 443 1332 1119 2.3e-113 Locus Name Acc#
Protein name Description	3492 8714	Length Length Score Probability 443 1332 1119 2.3e-113 Locus Name Acc#
Protein name Description	3492 8714	Length Length Score Probability 443 1332 1119 2.3e-113 Locus Name Acc# sp:YICE_ECOLI P27432
Protein name Description	3492 8714	Length Length Score Probability 443 1332 1119 2.3e-113 Locus Name Acc# sp:YICE_ECOLI P27432 SELC INTERGENIC REGION
Protein name Description HYPOTHETICAL 48	.9 KD PROTEIN IN GLTS-	Length Length Score Probability 443 1332 1119 2.3e-113 Locus Name Acc# Sp:YICE_ECOLI P27432 SELC INTERGENIC REGION NT AA Score Probability
Protein name Description HYPOTHETICAL 48 ORF Name	.9 KD PROTEIN IN GLTS-	Length Length Score Probability 443 1332 1119 2.3e-113 Locus Name Acc# sp:YICE_ECOLI P27432 SELC INTERGENIC REGION NT AA Score Probability Length Length Score Probability
Protein name Description HYPOTHETICAL 48 ORF Name	.9 KD PROTEIN IN GLTS-	Length Length Score Probability 443 1332 1119 2.3e-113 Locus Name Acc# Sp:YICE_ECOLI P27432 SELC INTERGENIC REGION NT AA Score Probability Length Length Score Probability 252 759 569 4.4e-55
Protein name Description HYPOTHETICAL 48 ORF Name 24806512_f2_117 Protein name	.9 KD PROTEIN IN GLTS-	Length Length Score Probability 443 1332 1119 2.3e-113 Locus Name Acc# Sp:YICE_ECOLI P27432 SELC INTERGENIC REGION NT AA Score Probability Length Length 4.4e-55 Locus Name Acc#
Protein name Description HYPOTHETICAL 48 ORF Name 248.06.512t2117 Protein name CGI-32 protein Description	.9 KD PROTEIN IN GLTS-	Length Length Score Probability 443 1332 1119 2.3e-113 Locus Name Acc# Sp:YICE_ECOLI P27432 SELC INTERGENIC REGION NT AA Score Probability Length Length 4.4e-55 Locus Name Acc# Gp:AF132966 AF132966

ORF Name	NTID	AAID	<u>NT</u> Length	AA Length	Score	Probability
24870957_f2_200	3494	8716	291 8	176	104	0.0042
Protein name			L L_	Locus	s Name	Acc#
				sp:VG7	7_BPML5	Q05292
Description						
GENE 77 PROTEIN (GP	77)					
			NT	AA		
ORF Name	NTID	AAID	<u>Length</u>	<u>Length</u>	Score	Probability
24897892_£2_120	3495	8717	200	503	119	1.2e-05
Protein name				Locu	s Name	Acc#
hypothetical protein	n HP0137		•	pir:A6	4537	A64537
Description						
			NT	AA		
ORF Name	NTID	AAID	Length	<u>Length</u>	Score	Probability
25422952 <u></u> ±1 <u></u> 94	3496	8718	165	498		
Protein name				Locu	s Name	Acc#
Description						
NO-HIT						
			NT	AA		
ORF Name	NTID	AAID	Length	<u>Length</u>	Score	Probability
26257687 <u>f3</u> 254	3497	8719	505	1518	107	0.0052
Protein name	*			Locu	ıs Name	Acc#
fibroin heavy chain	PG-2	- 1		pir:B6	1615	B61615
Description	7					
			NT	AA		
ORF Name	NTID	AAID	Length	<u>Length</u>	Score	Probability
26260191 <u>c1421</u>	3498	8720	60	183		
Protein name			* .	Locu	ıs Name	Acc#
Description						
NO-HIT						

ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
26287817_f2_146	3499	8721	78	Locus	. Name	Acc#	
Protein name Description				1000	<u> </u>	130011	
NO-HIT	-						
			NT	AA			
ORF Name	NTID	AAID	<u>Length</u>	<u>Length</u>	Score	Probability	
26369387 <u>f3</u> 244	3500	8722	128	387	83	0.013]
Protein name				Locus	Name	Acc#	
putative integral m	embrane p	rotein		gp:SC51	.A	AL121596	
Description					4	. 9	
Streptomyces coelic	olor cosm	id 51A.				1	
ORF Name	NTID	AAID	<u>NT</u> Length	AA Length	Score	Probability	
ORF Name 2643.903.7		AAID 8723	Length		Score	Probability	
			Length	Length	Score S Name	Probability Acc#	
2643.903.7 <u></u> c1 <u></u> 3.7.0			Length	Length		*	*
26439037_c1_370 Protein name			Length	Length		*	,
Protein name Description			Length	Length 243 Locus		Acc#	
Protein name Description			Length	Length		*	
Protein name Description NO-HIT	3501	8723	Length 80 NT Length	Length Locus	s Name	Acc#	
Protein name Description NO-HIT ORF Name	NTID	8723 AAID	Length 80 NT Length	Length Locus AA Length	s Name	Acc#	
26439037c1370 Protein name Description NO-HIT ORF Name 26815936t160	NTID	8723 AAID	Length 80 NT Length	Length Locus AA Length	Score	Acc# Probability	

			NT	AA		
ORF Name	NTID	AAID	Length	Length	<u>Score</u>	Probability
26853838_f2_114	3503	8725	138 4	17	93	0.00012
Protein name				Locus	s Name	Acc#
vacuolar type ATP	synthase sul	ounit		gp:D63	799	D63799
Description						
Thermus thermophicomplete cds.	lus genes, O	peron of	Vacuolar	type A	Psyntase	subunit,
			NTT	7.7		
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
2931593_f2_126	3504	8726	390 1	.173	202	9.2e-13
Protein name				Locus	Name	Acc#
115K outer membra protein	ne protein p	recursor:	SusC	pir:JC	027	JC6027
	- <u></u>	·				
Description						
			NT	7.7		
ORF Name	NTID	AAID	<u>N1</u> Length	<u>AA</u> Length	Score	Probability
29390682 <u></u> £2 <u></u> 140	3505	8727	311 9	36	117	0.00023
Protein name				Locus	Name	Acc#
unknown				gp:AF1	75293	AF175293
Description						
Enterococcus faec cluster, complete				peptide	resistan	cegene
eruster, comprete	cas, and and	nown gene				
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
	NIID	*				
29486512 <u>f1</u> 49				659,	360	1.2e-32
29486512t149 Protein name				659	360 Name	1.2e-32 <u>Acc#</u>
	3506			659	Name	

Protein name	ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
Description NO-HIT	30275287_c3_674	3507 8	8729	394 [Name	Acc#	
ORF Name NTID AAID Length Exp: LOCUS Name ACC# Exp: Length Length Length Score Probability Length Lengt	Description				,			
ORF Name NTID AAID Length Length Length Scote FloodFifty 30331687_E1_76 3508 8730 511 1536 1766 6.4e-182 Protein name Locus Name Acc# sp:IMDH_TRIFO P50097 Description DEHYDROGENASE) (IMPDH) (IMPD) NT AA Score Probability ORF Name NTID AAID Length Length Score Probability 304.70408_F2_L71 3509 8731 110 333 196 1.5e-15 Protein name Locus Name Acc# hypothetical protein SC5F2A.08c pir:T35250 T35250 Description NTID AAID Length Score Probability 31914013_F1_36 3510 8732 435 1308 544 2.0e-52 Protein name Locus Name Acc# hypothetical protein MTH1458 pir:B69061 B69061 Description NTID AAID Length Length Sc	NO-HIT	*						
Description Description	ORF Name	NTID	AAID			Score	Probability	
Description	30351687 <u></u> ±1 <u></u> 76	3508	3730	511	1536	1766	6.4e-182	
Description DEHYDROGENASE) (IMPDH) (IMPD) ORF Name	Protein name				Locus	Name	Acc#	
DEHYDROGENASE (IMPDH) (IMPD)					sp:IMDH	TRIFO	P50097	
ORF Name NTID AAID Length Length Score Probability 30470408_F2_171 3509 8731 110 333 196 1.5e-15 Protein name Locus Name Acc# hypothetical protein SC5F2A.08c pir:T35250 T35250 Description NTID AAID Length Length Score Probability ORF Name NTID AAID Length Length 2.0e-52 Protein name Locus Name Acc# hypothetical protein MTH1458 pir:B69061 B69061 Description NTID AAID Length Length Probability ORF Name NTID AAID Length Length Probability Protein name Length Length Length Acc# Description Locus Name Acc#			=			*		1
ORF Name NTID AAID Length Length Score Probability 30.4.7.04.08_f2_171 3509 8731 110 333 196 1.5e-15 Protein name Locus Name Acc# hypothetical protein SC5F2A.08c pir:T35250 T35250 Description NTID AAID Length Score Probability ORF Name NTID AAID Length Length 2.0e-52 Protein name Locus Name Acc# hypothetical protein MTH1458 pir:B69061 B69061 Description NTID AAID Length Length Probability ORF Name NTID AAID Length Length Probability 32110150_c1_438 3511 8733 82 249 Protein name Locus Name Acc# Description	DEHYDROGENASE) (I	MPDH) (IMPD)						
NTID AAID Locus Name Acc#						Score	Probability	
Protein name	ORF Name						1	
hypothetical protein SC5F2A.08c pir:T35250 T35250 Description	3.047.0408f2171	3509	8731	110	333	196	1.5e-15	
Description NT AA Score Probability 31914013_t1_36								
ORF Name NTID AAID Length Length Score Probability 31914013t136	Protein name				Locus	Name	Acc#	
ORF Name NTID AAID Length Length Score Probability 31914013t136		ein SC5F2A.08	3c	1 a				
ORF Name NTID AAID Length Length Score Probability 31914013t136	hypothetical prot	ein SC5F2A.08	3c					
Protein name Locus Name Acc# hypothetical protein MTH1458 pir:B69061 B69061 Description NTID AAID Length Length Probability 32110150_c1_438 3511 8733 82 249 Protein name Locus Name Acc# Description	hypothetical prot	ein SC5F2A.08	3c	ΝͲ	pir:T35		T35250	
hypothetical protein MTH1458 pir:B69061 B69061 Description NT AA Score Probability ORF Name NTID AAID Length Length Score Probability 32110150_c1_438	hypothetical prot				pir:T35	250	T35250	·
Description NT AA Score Probability ORF Name NTID AAID Length Length Probability 32110150c1438	hypothetical prot Description ORF Name	NTID	AAID	Length	Pir:T35	Score	T35250	
ORF Name NTID AAID Length Length Score Probability 32110150_c1_438 3511 8733 82 249 Protein name Locus Name Acc# Description	hypothetical prot Description ORF Name 31914013_t1_36	NTID	AAID	Length	AA Length	Score 544	T35250 Probability 2.0e-52	
ORF Name NTID AAID Length Score Probability 32110150c1438	hypothetical prot Description ORF Name 31914013_t1_36	<u>NTID</u>] 3510	AAID	Length	AA Length 1308 Locus	Score 544 Name	T35250 Probability 2.0e-52 Acc#	
ORF Name NTID AAID Length Score Probability 32110150c1438	hypothetical prot Description ORF Name 31914013_t1_36 Protein name hypothetical prot	<u>NTID</u>] 3510	AAID	Length	AA Length 1308 Locus	Score 544 Name	T35250 Probability 2.0e-52 Acc#	·
Protein name Locus Name Acc# Description	hypothetical prot Description ORF Name 31914013_t1_36 Protein name hypothetical prot	<u>NTID</u>] 3510	AAID	Length	AA Length 1308 Locus	Score 544 Name	T35250 Probability 2.0e-52 Acc#	
Description	Description ORF Name 31914013_t1_36 Protein name hypothetical prot Description	NTID 3510 [<u>AAID</u> 8732	Length 435	AA Length Locus pir:B63	Score 544 3 Name 9061	T35250 Probability 2.0e-52 Acc# B69061	
	Description ORF Name 31914013_t1_36 Protein name hypothetical prot Description ORF Name	NTID 3510 [8	<u>AAID</u> 8732	Length 435	AA Length Locus pir:B63	Score 544 3 Name 9061	T35250 Probability 2.0e-52 Acc# B69061	
NO-HIT	hypothetical prot Description ORF Name 31914013f136 Protein name hypothetical prot Description ORF Name 32110150c1_438	NTID 3510 [8	<u>AAID</u> 8732	Length 435	AA Length Locus pir:B69	Score 544 Name 0061 Score	Probability 2.0e-52 Acc# B69061 Probability	
	hypothetical prot Description ORF Name 31914013_f1_36 Protein name hypothetical prot Description ORF Name 32110150_c1_438 Protein name	NTID 3510 [8	<u>AAID</u> 8732	Length 435	AA Length Locus pir:B69	Score 544 Name 0061 Score	Probability 2.0e-52 Acc# B69061 Probability	

		* * TI	NT	<u>AA</u> Length	Score	Probability	
ORF Name	NTID	AAID	<u>Length</u>				
32422050_f2_130	3512	8734	246	741			
Protein name				Locus	Name	Acc#	
Description							
NO-HIT	-				-		
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
32507687 <u></u> c3 <u></u> 639	3513	8735	703	2112	196	1.9e-26	
Protein name				Locus	s Name	Acc#	
				sp:Y63	4_METJA	Q58051	
Description							
HYPOTHETICAL PROTE	IN MJ0634						- 0
	- *		NT	AA			1
ORF Name	NTID	AAID	<u>NT</u> Length	AA Length	Score	Probability	
ORF Name 3.3.6.0.0.6.25		<u>AAID</u> 8736	Length		<u>Score</u> 217	Probability	
d d			Length	Length			
33600625 <u></u> c1 <u></u> 426			Length	Length 405 Locu	217	8.9e-18	
33600625 <u></u> c1 <u></u> 426			Length	Length 405 Locu	217 s Name	8.9e-18	
33600625 <u></u> c1 <u></u> 426 Protein name	3514	8736	Length	Length 405 Locu. Sp:YBA	217 s Name N_ECOLI	8.9e-18	
Protein name Description	3514	8736	Length 134 APT INTE	Length Locu sp:YBA RGENIC R	217 s Name N_ECOLI	8.9e-18	
Protein name Description	3514	8736	Length	Length 405 Locu. Sp:YBA	217 s Name N_ECOLI	8.9e-18	
33600625_cl_426 Protein name Description HYPOTHETICAL 14.8	KD PROTEIN	8736	Length 134 APT INTE NT Length	Length Locu Sp:YBA RGENIC R	217 s Name N_ECOLI	8.9e-18 <u>Acc#</u>	
Description HYPOTHETICAL 14.8 ORF Name	KD PROTEIN	8736 N IN PRIC-	Length 134 APT INTE NT Length	Length Locu Sp:YBA RGENIC R AA Length 1215	217 s Name N_ECOLI EGION Score	8.9e-18 Acc# Probability	
Description HYPOTHETICAL 14.8 ORF Name 33.76.7187_f2_191	3514 KD PROTEIN NTID 3515	8736 N IN PRIC- AAID 8737	Length 134 APT INTE NT Length 404	Length Locu Sp:YBA RGENIC R AA Length 1215	217 s Name N_ECOLI EGION Score 96 s Name	B.9e-18 Acc# Probability 0.016	

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ORF Name	NTID	AAID	<u>NT</u> Length	AA Length	Score	Probability
33789067_c2_486	3516	8738	777 2	334	95	4.6e-06
Protein name				Locus	Name	Acc#
conserved hypothetic	al protei	n AF1017		pir:A69	377	A69377
Description						
			NT	AA	Score	Probability
ORF Name	NTID	AAID	Length	<u>Length</u>	Score	<u> </u>
33.8.7.5.8.3.6 <u></u> c.3 <u></u> 6.0.9	3517	8739	316	51		
Protein name				Locus	s Name	Acc#
Description						
NO-HIT				*		
			NICT	AA		
ORF Name	NTID	AAID	<u>NT</u> Length	<u>Length</u>	Score	Probability
3.417.318.8 <u></u> c3 <u></u> 577	3518	8740	170	513	149	1.4e-14
Protein name	-			Locu	s Name	Acc#
methylmalonyl-coa do	ecarboxyla	ase gamma	chain	pir:F7	5135	F75135
Description				J		
	* 0					
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
34179812 <u></u> c1 <u></u> 436	3519	8741	449	1350	2234	1.6e-231
Protein name				Locu	s Name	Acc#
				sp:DHE	4_BACTN	P94598
Description						
(NAD (P) H-DEPENDENT	GLUTAMATE	DEHYDROG	ENASE)			

ODE Name	NTID AAID	<u>NT</u> Length L	AA Score	Probability
ORF Name 34254662_c2_488	1 3520 8742	294 885		1.2e-05
34254662_C2_466	3320 3722			7 ~ ~ #
Protein name			Locus Name	Acc#
microfilarial sheat	th protein SHP3		gp:LSU54556	U54556
Description				*
Litomosoides sigmo	dontis microfilar h protein SHP3 (s	ial sheath pands) genes, o	rotein SHP3a (s complete cds.	hp3a) and
		NT	AA Gaara	Probability
ORF Name	NTID AAID	Length I	Length Score	Probability
34495216_c1_355	3521 8743	936 28:	1593	1.4e-163
Protein name			Locus Name	Acc#
acriflavin resista		protein	pir:S75508	\$75508
slr2131:protein slr	2131,			
Description				
,		NT	AA _	Post alad 1 d tor
ORF Name	NTID AAII	NT Length	AA Length Score	Probability
			Length Score	Probability 0.0014
ORF Name		Length 1	Length Score	× ×
ORF Name 3.6.13.27.6.1t2115		Length 1	Length Score 9 83	0.0014
ORF Name 3.6.13.27.6.1t2115		Length 1	Locus Name	0.0014 Acc#
ORF Name 3.61327.61t2115 Protein name	3522 8744	102 30	Locus Name sp:YGFE_ECOLI	0.0014 <u>Acc#</u> P45580
ORF Name 36132761_t2_115 Protein name Description	3522 8744	Length 1	Length Score 9 83 Locus Name sp:YGFE_ECOLI ENIC REGION (O	0.0014 Acc# P45580 109)
ORF Name 36132761_t2_115 Protein name Description	3522 8744	Length 1 102 30 PP-SSR INTERG	Locus Name sp:YGFE_ECOLI	0.0014 <u>Acc#</u> P45580
ORF Name 3.6.1.3.2.7.6.1	MTID AAII	Length 1 102 30 PP-SSR INTERG	Length Score Score	0.0014 Acc# P45580 109)
ORF Name 36132761_t2_115 Protein name Description HYPOTHETICAL 12.6 ORF Name	MTID AAII	D Length 1 102 30 PP-SSR INTERG NT Length	Length Score Score	0.0014 Acc# P45580
ORF Name 36132761_t2_115 Protein name Description HYPOTHETICAL 12.6 ORF Name 36445812_c3_605	MTID AAII	D Length 1 102 30 PP-SSR INTERG NT Length	Length Score Score	0.0014 Acc# P45580 109) Probability

			NT	AA	Caara	Probability	
ORF Name	NTID	AAID	Length	Length	Score	Probability	
36525343_f3_309	3524	746	96 2	91			
Protein name				Locus	Name	Acc#	
Description							
NO-HIT]
				7.7			
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
3.928885 <u></u> c1 <u></u> 3.54	3525	3747	142 4	.29	336	3.7e-29	
<u>Protein name</u>				Locus	Name	Acc#	
СеоВ				gp:BCU9	7042	U97042	
Description							
Burkholderia cepac:	ia CeoA (ceo	A) and (CeoB (cec	B) genes	, comple	etecds.]
							_
ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability	
ORF Name 3.946.0.52		<u>AAID</u> 3748	Length		Score	Probability 2.5e-36	
			Length	Length			
3.946.0.52 <u></u> c3 <u></u> 58.6			Length	Length	392 Name	2.5e-36	
3946052_c3_586 Protein name SmeA Description	. 3526	3748	Length 374	Length Locus [gp:AF1]	392 S Name	2.5e-36 Acc# AF173226	
3.946.052_c3_586	3526 E	multidru	Length 374 1	Length Locus gp:AF1	392 S Name 73226 SmeR (sme	2.5e-36 Acc# AF173226 eR),SmeS	
3946052_c3_586 Protein name SmeA Description Stenotrophomonas m	3526 E	multidru	Length 374 g efflux SmeC (sme	Length Locus Locus gp:AF1' system S eC) genes	392 S Name 73226 SmeR (sme	2.5e-36 Acc# AF173226 eR),SmeS te cds.	************************************
3946052_c3_586 Protein name SmeA Description Stenotrophomonas m	3526 E	multidru	Length 374 1	Length Locus gp:AF1	392 S Name 73226 SmeR (sme	2.5e-36 Acc# AF173226 eR),SmeS	
Protein name SmeA Description Stenotrophomonas manda (smeS), SmeA (smeA)	altophilia r, SmeB (smeB	multidru	Length 374 1 g efflux SmeC (sme	Length Locus Locus gp:AF1 system S eC) genes	392 S Name 73226 SmeR (sme	2.5e-36 Acc# AF173226 eR),SmeS te cds.	
Protein name SmeA Description Stenotrophomonas m (smeS), SmeA (smeA) ORF Name	altophilia r, SmeB (smeB	multidrugs), and	Length 374 1 g efflux SmeC (sme	Length Locus gp:AF1 system S eC) genes AA Length	392 S Name 73226 SmeR (smes, complete	2.5e-36 Acc# AF173226 ER),SmeS te cds. Probability	
Protein name SmeA Description Stenotrophomonas manda (smeS), SmeA (smeA) ORF Name 3949052_fl_35	altophilia management of the state of the st	multidrugs), and	Length 374 1 g efflux SmeC (sme	Length Locus gp:AF1 system S eC) genes AA Length	392 S Name 73226 SmeR (smes, complete Score 95 S Name	2.5e-36 Acc# AF173226 eR),SmeS te cds. Probability 7.5e-05	

ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
				81		
3961641_f3_308	3528	8750	220			- u
Protein name				Locus	Name	Acc#
Description						
ио-ніт						
			NT	AA		D 1 112724
ORF Name	NTID	AAID	<u>Length</u>	Length	Score	Probability
40643.75_t2_190	. 3529	8751	411 1	.236	157	2.4e-08
Protein name				Locus	s Name	Acc#
transposase				gp:AF0	38866	AF038866
Description						
Bacteroides fragil protein BmpH (bmpH)	is transpos genes, cor	son Tn552	0 transpo	sase (b	ipH) and	mobilization
	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
ORF Name	NTID		<u>NT</u> Length		Score	Probability
ORF Name 4100342_f2_193	NTID	AAID	NT Length	Length		
ORF Name	NTID	AAID	NT Length	Length	Score s Name	Probability Acc#
ORF Name 4100342_f2_193	NTID	AAID	NT Length	Length		
ORF Name 4100342_f2_193	NTID	AAID	NT Length	Length		
ORF Name 4100342_f2_193 Protein name Description	NTID	AAID	NT Length	Length 198 Locu	s Name	Acc#
ORF Name 4100342_f2_193 Protein name Description	NTID	AAID	NT Length	Length		Acc# Probability
ORF Name 4100342_f2_193 Protein name Description NO-HIT	NTID 3530	<u>AAID</u> 8752	NT Length 65	Length Locu AA	s Name	Acc#
ORF Name 4100342_f2_193 Protein name Description NO-HIT ORF Name	NTID 3530	<u>AAID</u> 8752 <u>AAID</u>	NT Length 65 NT Length	Length Locu AA Length Length	s Name	Acc# Probability
ORF Name 4100342_f2_193 Protein name Description NO-HIT ORF Name 4100917_c2_537	NTID 3530 NTID	<u>AAID</u> 8752 <u>AAID</u>	NT Length 65 NT Length	Length Locu AA Length Length	Score 144 s Name	Acc# Probability 8.7e-14

		$\underline{\mathtt{NT}}$	$\frac{AA}{}$. Sco	re Probability
ORF Name	NTID AZ	AID Length	<u>Length</u>	
4103438_c2_465	3532 8754	507	1524 1314	5.0e-134
Protein name			Locus Nam	e <u>Acc#</u>
			sp:ACCC_MET	JA Q58626
Description				
CARBOXYLASE,) (ACC)				
		NT	AA G	_ , , , , , , ,
ORF Name	NTID A	AID Length	Length Sco	re Probability
4105152_c3_583	3533 875	5 110	333	
Protein name			Locus Nam	ne Acc#
Description				
NO-HIT				
		NT	AA	Dechabilite
ORF Name	NTID A	<u>NT</u> AID Length	AA Length Sco	ore Probability
ORF Name 4115925_c1_405		AID Length	Scc	- 1
*		AID Length	Length Sco	1.5e-125
4115925 <u></u> c1405		AID Length	Length Sco	1.5e-125 ne <u>Acc</u> #
4115925 <u></u> c1405		AID Length	Length Sco Length 123 Locus Nar	1.5e-125 ne <u>Acc</u> #
4115925_c1_405	3534 875	AID Length	Length Sco Length 123 Locus Nar	1.5e-125 ne <u>Acc</u> #
Protein name Description	3534 875	AID Length 6 462	Length Score Length 123 Locus Name Sp:ALST_BAG	4 1.5e-125 ne Acc# CSU Q45068
Protein name Description	3534 875	AID Length	Length Score Length 123 Locus National Sp:ALST_BAG AA Score	1.5e-125 ne <u>Acc</u> #
Protein name Description AMINO ACID CARRIER	PROTEIN ALST NTID	AID Length 6 462 NT Length	Length Score Length 123 Locus National Sp:ALST BAG AA Score	4 1.5e-125 ne Acc# CSU Q45068
Protein name Description AMINO ACID CARRIER ORF Name	PROTEIN ALST NTID	AID Length 6 462 NT Length	Length Locus Nat Sp:ALST BAG AA Length Sco	1.5e-125 ne Acc# CSU Q45068 Dre Probability
Protein name Description AMINO ACID CARRIER ORF Name 4116561_c2_485	PROTEIN ALST NTID	AID Length 6 462 NT Length	Length Locus Nat Sp:ALST BAC AA Length Sco	1.5e-125 ne Acc# CSU Q45068 Dre Probability

ORF Name	NTID AA	<u>NT</u> <u>AZ</u> .ID Length Leng	Score	Probability
4144005_£1_44	[3536] [8758		957	2.8e-173
Protein name		<u></u> <u></u> <u></u> <u></u>	ocus Name	Acc#
cation efflux sys	tem (AcrB/AcrD/A	crF family) pir	:G70396	G70396
Description				
		NT A		
ORF Name	NTID AF	AID Length Leng	SCORE	Probability
4151510 <u>f3</u> 226	3537 8759	293 882	414	1.2e-38
Protein name		. <u>L</u>	ocus Name	Acc#
pyridoxal kinase	(pdxK) homolog	pir	:G70195	G70195
Description				
	*	<u>NT</u> A	- Score	Probability
ORF Name		AID Length Leng	yth —	
422962 <u></u> c1 <u></u> 361	3538 8760		145	1.0e-06
Protein name		_	ocus Name	<u>Acc#</u>
N-acetylmuramoyl-	L-alanine amidas	se homolog pir	:H70177	H70177
Description		,		
ODE Name	NTID A	<u>NT</u> <u>A</u> AID Length Len	– score	Probability
ORF Name				
433.7540£157			ocus Name	Acc#
Protein name		=		
Description	* "			*
NO-HIT				
ORF Name	NTID A	<u>NT</u> <u>A</u> AID <u>Length</u> <u>Len</u>	- Score	Probability
4345932 <u></u> c1 <u></u> 331	3540 876	2 62 189		
Protein name			Locus Name	Acc#
Description				
NO-HIT			· · · · · · · · · · · · · · · · · · ·	

ODE Name	NTID AAID	NT AA Score	Probability
ORF Name 4494016 c2 501	3541 8763	348 1047 308	2.0e-27
	3344	Locus Name	Acc#
Protein name	gal protein ag l		D70423
conserved hypothet:	Icai procein ad_i	pir.b/0423	
Description			
ORF Name	NTID AAID	NT AA Score Length Length	Probability
4509682 <u></u> c2 <u></u> 524	. 3542 8764	197 594 136	3.4e-09
Protein name	<u> </u>	Locus Name	Acc#
unknown		gp:AF088897	
Description			
Zymomonas mobilis	cosmid clone 65G3	, partial sequence.	
		NT AA Score	Probability
ORF Name	NTID AAID	Length Length Score	FIODADITICY
4572126 <u></u> .c2 <u></u> 520	3543 8765	213 642	
Protein name		Locus Name	Acc#
Description			
NO-HIT			
		NT AA Score	Probability
ORF Name	NTID AAII	<u> Length</u> <u>Length</u>	
4725056£3224	3544 8766	117 354 176	2.0e-13
Protein name		Locus Name	Acc#
conserved hypothet	cical protein aq_8	pir:A70374	A70374
Description	-		
		NT AA Gaara	Probability
ORF Name	NTID AAI	— — . SCOLE	FIODADTITO
506502 <u></u> c1 <u></u> 443	3545 8767	551 1656	
Protein name		Locus Name	Acc#
Description			
NO-HIT			

ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
5273588_f3_235	3546	8768	226	581	142	1.4e-08
Protein name				Locus	Name	Acc#
2-acylglycerophosph acyltransferase	oethanolaı	mine		pir:E70	0476	E70476
Description						
ORF Name	NTID	AAID	NT Length	<u>AA</u> Length	Score	Probability
5937505 <u></u> c1 <u></u> 345	3547	8769	76	231		
Protein name				Locus	s Name	Acc#
Description						
NO-HIT						*
ORF Name	NTID	AAID	<u>NT</u> Length	AA Length	Score	Probability
ORF Name 5.947.53_£3_245	-	<u>AAID</u> 8770	Length		<u>Score</u> 552	Probability 3.4e-52
·	-		Length	Length		*
594753_£3_245	3548	8770	Length	Length	552 s Name	3.4e-52
594753_t3_245	3548	8770	Length	Length 1599 Locu	552 s Name	3.4e-52 <u>Acc#</u>
Protein name DNA helicase relate Description	3548 ed protein	8770	Length 532	Length 1599 Locu pir:H6	552 s Name	3.4e-52 <u>Acc#</u>
Protein name DNA helicase relate Description ORF Name	3548 ed protein	8770 AAID	Length	Length 1599 Locu pir:H6	552 s Name 9163	3.4e-52 Acc# H69163
Protein name DNA helicase relate Description	3548 ed protein	8770	Length 532 NT Length	Length Locu pir:H6 AA Length	552 s Name 9163	3.4e-52 Acc# H69163
Protein name DNA helicase relate Description ORF Name 6145427f2186	3548 ed protein	8770 AAID	Length 532 NT Length	Length Locu pir:H6 AA Length	552 s Name 9163 Score	Acc# H69163 Probability

	37TT 33TT	NT AA Score	Probability
ORF Name	NTID AAID		1 10 20 100
6845262_c2_527	3550 8772	614 1845 1053	2.3e-106
Protein name		Locus Name	Acc#
		sp:YFBK_ECOLI	P76481
Description			
HYPOTHETICAL 63.6	KD PROTEIN IN ELAD-	NUON INTERGENIC REGION	
		NT AA Score	Probability
ORF Name	NTID AAID	Length Length	Hobastito
7034587_±3_305	3551 8773	104 315 81	0.0058
Protein name		Locus Name	Acc#
		sp:ZN90_HUMAN	Q03938
Description			
	EIN 90 (ZINC FINGER I	PROTEIN HTF9) (FRAGMENT)	ž.
			l l
ORF Name	NTID AAID	NT AA Score	Probability
	NTID AAID	NT AA Score	Probability 3.2e-13
ORF Name 9452£3236	NTID AAID	NT AA Score Length Length	
ORF Name	NTID AAID	NT AA Length Length Score	3.2e-13
ORF Name 9452£3236	NTID AAID	NT AA Score Length Length 174 Locus Name	3.2e-13 Acc#
ORF Name 9.452_f3_236 Protein name Description	NTID AAID	NT AA Length Length Score 191 576 174 Locus Name sp:RPSH_PSEAE	3.2e-13 Acc#
ORF Name 9.452_f3_236 Protein name Description	NTID <u>AAID</u>	NT AA Score Length Length 174 Locus Name sp:RPSH_PSEAE	3.2e-13 Acc# Q06198
ORF Name 9.452_f3_236 Protein name Description	NTID <u>AAID</u>	NT AA Length Length Score 191 576 174 Locus Name sp:RPSH_PSEAE	3.2e-13 Acc#
ORF Name 9.452_f3_236 Protein name Description RNA POLYMERASE S	NTID AAID 3552 8774 IGMA-H FACTOR (SIGMA- NTID AAID	NT AA Score Length Length 191 576 174 Locus Name Sp:RPSH_PSEAE -30) NT AA Score	3.2e-13 Acc# Q06198
ORF Name 9.452_f3_236. Protein name Description RNA POLYMERASE S ORF Name	NTID AAID 3552 8774 IGMA-H FACTOR (SIGMA- NTID AAID	NT AA Score Length Length 191 576 174 Locus Name Sp:RPSH_PSEAE -30) NT AA Length Length Score	3.2e-13 Acc# Q06198
ORF Name 9.452_f3_236 Protein name Description RNA POLYMERASE S ORF Name 10238542_c3_212 Protein name	NTID AAID 3552 8774 IGMA-H FACTOR (SIGMA- NTID AAID	NT AA Score Length Length 191 576 174 Locus Name Sp:RPSH_PSEAE -30) NT AA Score Length Length Score	3.2e-13 <u>Acc#</u> Q06198 Probability
ORF Name 9.452f3236 Protein name Description RNA POLYMERASE S ORF Name 10.238.5.42c3212	NTID AAID 3552 8774 IGMA-H FACTOR (SIGMA- NTID AAID	NT AA Score Length Length 191 576 174 Locus Name Sp:RPSH_PSEAE -30) NT AA Score Length Length Score	3.2e-13 <u>Acc#</u> Q06198 Probability

			3.777	7.7		
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
11744515_f2_54	3554	8776	577	1734		
Protein name				Locus	Name	Acc#
Description						
NO-HIT	*					
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
1270751c2173	3555	8777	64	195		
Protein name				Locus	Name	Acc#
Description						
NO-HIT						
ORF Name	NTID	AAID	NT Length	<u>AA</u> Length	Score	Probability
ORF Name 136.75401_c3218		<u>AAID</u> 8778	Length		Score	Probability
			Length	Length	Score Name	Probability Acc#
136.75401 <u></u> c3 <u></u> 218			Length	Length		
136.754.01c3218 Protein name			Length	Length		
Protein name Description			Length	Length 186 Locus		
Protein name Description			Length	Length		
Protein name Description NO-HIT	3556 NTID	8778	Length 161 NT Length	Length Locus AA	Name	Acc#
Protein name Description NO-HIT ORF Name	3556 NTID	8778 AAID	Length 161 NT Length	Length Locus AA Length	Name	Acc#
T36.75401c3218 Protein name Description NO-HIT ORF Name T38.75343+129	3556 NTID	8778 AAID	Length 161 NT Length	Length Locus AA Length	Name Score	Acc# Probability

ORF Name	NTID AAID	NT AA Length Length Score Probability	
 156662_±3_62	3558 8780	107 324 201 4.4e-16	
Protein name		Locus Name Acc#	
		sp:DBH_BACST	
Description			
DNA-BINDING PROTE	IN II (HB) (HU)		
		NT AA Score Probability	
ORF Name	NTID AAID	Length Length ———	
18891_f3_74	3559 8781	612 1839 1158 1.7e-117	
Protein name		Locus Name Acc#	
		sp:SYR_TREPA 083803	
Description			
			1
ARGINYL-TRNA SYNT	HETASE, (ARGININETR	NA LIGASE) (ARGRS)	
ARGINYL-TRNA SYNT	HETASE, (ARGININETk	27(1) 7.7	
ARGINYL-TRNA SYNT	HETASE, (ARGININETR		
	NTID AAID	NT AA Score Probability	
ORF Name	NTID AAID	NT AA Score Probability	
ORF Name	NTID AAID	NT AA Score Probability Length Length 1353	
ORF Name 19633590_t3_94 Protein name	NTID AAID	NT AA Score Probability Length Length 1353]
ORF Name 19633590_t3_94 Protein name Description	NTID AAID	NT AA Score Probability Length Length Locus Name Acc# NT AA Score Probability]
ORF Name 19633590_t3_94 Protein name Description	NTID AAID	NT AA Score Probability Length Length 450 1353 Locus Name Acc#]
ORF Name 19633590_f3_94 Protein name Description NO-HIT	NTID AAID 3560 8782 NTID AAID	NT AA Score Probability Length Length Locus Name Acc# NT AA Score Probability]
ORF Name 19633590f394 Protein name Description NO-HIT ORF Name	NTID AAID 3560 8782 NTID AAID	NT AA Score Probability 450 1353 Locus Name Acc# NT AA Score Probability NT AA Score Probability]
ORF Name 19633590_f3_94 Protein name Description NO-HIT ORF Name 20360282_c1_111	NTID AAID 3560 8782 NTID AAID	NT AA Score Probability 450 1353 Locus Name Acc# NT AA Score Probability NT AA Score Probability Ength Length Score Probability	

		$\underline{\text{NT}}$ $\underline{\text{AA}}$	Score P	robability
ORF Name	NTID AAID	Length Length		
22853411_c1_127	3562 8784	366 1101	75	0.037
Protein name		Locus	Name	Acc#
hypothetical protei	in SC6E10.19c	pir:T35	506	T35506
Description				
		NT AA		
ORF Name	NTID AAID	Length Length	Score P	Probability
23555312 <u></u> c2 <u></u> 169	3563 8785	85 258		
Protein name		Locus	Name	Acc#
Description				
NO-HIT				
		NTT 7.7		
ORF Name	NTID AAID	NT AA Length Length	Score F	Probability
23.625188 <u></u> f1 <u></u> 34	. 3564 8786	608 1827	1638	2.3e-168
Protein name		Locus	Name	Acc#
hemolysin erythrocy	yte lysis protein	2 gp:AF05	52516	AF052516
Description			-	
Prevotella intermelysis protein 1, andcds.	dia hemolysin hemo d hemolysin erythr	lytic protein, hen ocyte lysisproteir	nolysinery n 2 genes,	throcyte complete
		NT AA		
ORF Name	NTID AAID	Length Length	Score I	Probability
2364687 <u></u> c2175	3565 8787	154 465		
Protein name		Locus	s Name	Acc#
Description				

ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	<u>Probability</u>	
23710877 c2_174		8788		3036	942	1.3e-94	7
Protein name			L	Locus	Name	Acc#	7
		 				——————————————————————————————————————	
protein-export men	mbrane proce	T11		gp:AB02	22865	AB022865	
Description						*	
Prevotella rumini xylosidase,protein	cola genes f -export memb	or polygorane pro	alacturor tein, cor	nase, mplete co	ls.		
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
23925627_c3_195	3567	8789	82	249			
Protein name				Locus	s Name	Acc#	
Description							
NO-HIT				1		-	
			NT	AA	Saoro	Probability	
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
ORF Name 24023500_f1_33		<u>AAID</u> 8790	Length	***	Score	Probability 5.2e-13	
į.			Length	Length	- 1]
24023500f133			Length	Length 1482 Locu	193	5.2e-13]
24023500f133			Length	Length 1482 Locu	193 s Name	5.2e-13 <u>Acc#</u>	
24023500_f1_33 Protein name	3568		Length	Length 1482 Locu	193 s Name	5.2e-13 <u>Acc#</u>	
Protein name Description	3568		Length 493	Length 1482 Locu	193 s Name 7_METJA	5.2e-13 <u>Acc#</u> Q58317	
Protein name Description	3568		Length	Length Locu sp:Y90	193 s Name	5.2e-13 <u>Acc#</u>	
Protein name Description HYPOTHETICAL PROT	3568 PEIN MJ0907 NTID	8790	Length 493 NT Length	Length Locu sp:Y90	193 s Name 7_METJA	5.2e-13 <u>Acc#</u> Q58317	
Protein name Description HYPOTHETICAL PROT	3568 PEIN MJ0907 NTID	8790	Length 493 NT Length	Length Locu Sp:Y90 AA Length 381	193 s Name 7_METJA	5.2e-13 <u>Acc#</u> Q58317	
Protein name Description HYPOTHETICAL PROT ORF Name 24298390_f2_56	3568 PEIN MJ0907 NTID	8790	Length 493 NT Length	Length Locu Sp:Y90 AA Length 381	193 s Name 7_METJA Score	5.2e-13 Acc# Q58317 Probability	

			$\mathbf{r}_{\mathbf{N}}$	AA	Caoro	Dwahahilita	
ORF Name	NTID	AAID	Length	Length	Score	Probability	
24398412_c3_207	3570	8792	334	L005			
Protein name				Locus	Name	Acc#	
Description							
NO-HIT							
							-
ORF Name	NTID	AAID	<u>NT</u> Length	AA Length	Score	Probability	
24415877 <u></u> c1 <u></u> 119	3571	3793	1003	3012	152	2.2e-07	
Protein name				Locus	Name	Acc#	
conserved hypothet	ical proteir	1 aq_1890	5	pir:E70	1463	E70463	
Description							
		-					
			NT	AΑ			
ORF Name	NTID	AAID	Length	Length	Score	Probability	
ORF Name 24429643c3206		<u>AAID</u> 3794	Length		Score	Probability 2.5e-141	_
			Length	Length			
24429643 <u></u> c3206			Length	Length	1069 Name	2.5e-141]
24429643c3206 Protein name			Length	Length 2406 Locus	1069 Name	2.5e-141 <u>Acc#</u>]
24429643_c3_206 Protein name topoisomerase I	3572	3794	Length	Length Locus	1069 Name 8896	2.5e-141 <u>Acc#</u>	
24429643_c3_206 Protein name topoisomerase I Description	3572	3794	Length 801 2 complete	Length Locus gp:AF08	1069 Name 8896	2.5e-141 <u>Acc#</u>	
24429643_c3_206 Protein name topoisomerase I Description	3572	3794	Length	Length Locus	1069 Name 8896	2.5e-141 <u>Acc#</u>	
24429643_c3_206 Protein name topoisomerase I Description Zymomonas mobilis	fosmid clone	3794 ⊇ 42C11,	Length 801 2 complete NT Length	Length Locus gp:AF08 e sequence	1069 Name 88896	2.5e-141 <u>Acc#</u> AF088896	
24429643_c3_206 Protein name topoisomerase I Description Zymomonas mobilis ORF Name	fosmid clone	3794 ≥ 42C11, <u>AAID</u>	Length 801 2 complete NT Length	Length Locus gp:AF08 e sequence AA Length	1069 Name 88896	2.5e-141 <u>Acc#</u> AF088896	
24429643c3206 Protein name topoisomerase I Description Zymomonas mobilis ORF Name 24642836c1120	fosmid clone	3794 ≥ 42C11, <u>AAID</u>	Length 801 2 complete NT Length	Length Locus gp:AF08 e sequence AA Length	1069 8 Name 88896 8 Score	2.5e-141 <u>Acc#</u> AF088896 Probability	

ORF Name	NTID A	NT AID Length	AA Length Score	Probability
24650377_f1_31 Protein name	3574 879	6 436	Locus Name	Acc#
<u>Description</u>				
NO-HIT				
ORF Name	NTID A	<u>NT</u> AID <u>Length</u>	AA Length Score	Probability
246.5.03.7.7f.25.7	3575 879	7 436	1311	
Protein name	ŧ		Locus Name	Acc#
Description				
NO-HIT				
		ТИ	AA	
ORF Name	NTID A	AID Length	Length Score	Probability
29346012 <u></u> £3 <u></u> 97	3576 879	8 411	1236	0.011
Protein name			Locus Name	Acc#
rRNA methylase (SpFB0855c	poU family) (OO	, TP)	pir:B71604	B71604
Description			_	
ORF Name	NTID A	NT AID Length	AA Length Score	Probability
29406680_c1_109	3577 879	9 126	381	
Protein name		0	Locus Name	Acc#
Description				
NO-HIT				-
		NT	7. 7.	
ORF Name	NTID A	AID Length	AA Length Score	Probability
29695387 <u>£3</u> 93	3578 880	0 399	1200	
Protein name			Locus Name	Acc#
Description				
NO-HIT				

ORF Name 30084687_t2_59	NTID AAID 3579 8801	NT AA Score Length Length 428 1287	Probability
Protein name		Locus Name	Acc#
Description			
NO-HIT			
		NT AA G	
ORF Name	NTID AAID	Length Length Score	Probability
3.0.5.0.7.1.3.8£12	. 3580 8802	561 1686 112	0.038
Protein name		Locus Name	Acc#
submaxillary mucin	1	pir:T42233	T42233
Description			*
ORF Name	NTID AAID	NT AA Score	Probability
3.425.6.5.61 <u></u> c3 <u></u> 213	3581 8803	228 687 146	1.5e-21
Protein name		Locus Name	Acc#
probable glpG prote	ein	pir:D71258	D71258
Description			
		2.7	, -
ORF Name	NTID AAID	$ ext{NT} ext{ } ext{ } ext{AA} ext{ } ext{Score} ext{ } ext{Length} ext{ } ext{Length} ext{ } ext{ } ext{} ext{} $	Probability
3.526.7.55.5 <u></u> c1 <u></u> 12.6	3582 8804	309 930 177	3.2e-13
Protein name		Locus Name	Acc#
probable glpG prot	ein	pir:D71258	D71258
Description			
× *3			
ORF Name	NTID AAID	NT AA Score	Probability
3.5.582908 <u></u> c2182	3583 8805	77 234	
Protein name		Locus Name	Acc#
Description			
NO-HIT			

ORF Name 36207937_f1_1 Protein name	NTID 3584	<u>AAID</u> 8806	NT Length	AA Length Locus	Score Name	Probability Acc#	
Description							
NO-HIT							
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
3.956.62c1118	3585	8807	189	570	151	8.8e-11	
Protein name	-			Locus	Name	Acc#	
mutator protein mut	r			pir:D64	443	D64443	
Description							
			NT	AA	Score	Probability	
ORF Name	NTID	AAID	<u>Length</u>	Length		FIODADITICY	
4103377 <u></u> £3 <u></u> 98	3586	8808	207	521	177	4.6e-20	
Protein name				Locus	Name	Acc#	
lic-1 protein D				pir:E64	128	E64128	
Description							
			NT	AA	Score	Probability	
ORF Name	NTID	AAID	Length	Length			
441500 <u>f2</u> 42	3587	8809	77	234			
Protein name				Locus	Name	Acc#	
Description							
NO-HIT			· · · · · · · · · · · · · · · · · · ·				
			NT	AA		D 1 . 1 . 1 . 1	
ORF Name	NTID	AAID	Length	Length	Score	Probability	
4694011 <u>_</u> f3 <u>_</u> 73	3588	8810	99 3	00	272	1.3e-23	
Protein name				Locus	Name	Acc#	
				sp:DBH_	BACST		
Description						*	
DNA-BINDING PROTEIN	II (HB)	(HU)					

ORF Name	$rac{ ext{NT}}{ ext{NTID}}$ $rac{ ext{AA}}{ ext{AAID}}$ $rac{ ext{Length}}{ ext{Length}}$ $rac{ ext{Score}}{ ext{Core}}$ $rac{ ext{Probability}}{ ext{Probability}}$	
5260952_f1_32	3589 8811 426 1281	
Protein name	Locus Name Acc#	
Description		
NO-HIT		
	7.7	
ORF Name	NT AA Score Probability NTID AAID Length Length	
5860750 <u></u> £1 <u></u> 27	3590 8812 100 303 73 0.023	
Protein name	Locus Name Acc#	
	sp:YM25_YEAST P40219	
Description		
HYPOTHETICAL 1	.6.4 KD PROTEIN IN TIF34-SWP1 INTERGENIC REGION	
	277	0
ORF Name	NT AA Score Probability	0
	NT AA Score Probability	0
ORF Name	NT AA Score Probability	
ORF Name 593.7825f238	NT AA Score Probability NTID AAID Length Length 3591 8813 107 324	
ORF Name 5.93.7825_f2_38 Protein name	NT AA Score Probability NTID AAID Length Length 3591 8813 107 324	
ORF Name 5.93.7825_f2_38 Protein name Description	NT AA Score Probability NTID AAID Length Length Score Probability Locus Name Acc#	
ORF Name 5.93.7825_f2_38 Protein name Description	NT AA Score Probability NTID AAID Length Length 3591 8813 107 324	
ORF Name 5.93.7825f238 Protein name Description NO-HIT	NTID AAID Length Length Score Probability Locus Name Acc# NTID AAID Length Length Score Probability AAA Score Probability AAA Score Probability	
ORF Name 5.93.7.825f238 Protein name Description NO-HIT ORF Name	NTID AAID Length Length Score Probability Locus Name Acc# NTID AAID Length Length Score Probability AAA Score Probability AAA Score Probability	
ORF Name 5.93.7.8.25	NTID AAID Length Length Score Probability Locus Name Acc# NTID AAID Length Length Score Probability Locus Name Acc# NTID AAID Length Length Score Probability NTID AAID Length Length Length Score Probability 3592 8814 69 210	
ORF Name 5.93.7.825f238 Protein name Description NO-HIT ORF Name 6.914530c3202. Protein name	NTID AAID Length Length Score Probability Locus Name Acc# NTID AAID Length Length Score Probability Locus Name Acc# NTID AAID Length Length Score Probability NTID AAID Length Length Length Score Probability 3592 8814 69 210	

0.000	NT TO TO	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
ORF Name	NTID						
7134587_£2_36	3593	8815	1022	1069			
Protein name				Locus	Name	Acc#	
Description	1						
NO-HIT						,	
2			NT	AA	Score	Probability	
ORF Name	$\underline{\mathtt{NTID}}$	AAID	<u>Length</u>	<u>Length</u>	<u> </u>		
10555337 <u></u> £1 <u></u> 16	3594	8816	233	702	202	5.1e-16	
Protein name				Locus	Name	Acc#	
glycosyl transfer	ase			gp:SPA.	16986	AJ006986	
Description							
Streptococcus pne	umoniae typ	e 33F DNA	, capsula	ar gene o	luster.		
ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability	
ORF Name			NT Length	AA		Probability	*
10572281 <u>c1</u> 271		AAID	<u>NT</u> Length	AA Length 765		Probability Acc#	*
10572281_c1_271 Protein name		AAID	<u>NT</u> Length	AA Length 765	Score		*
Protein name Description		AAID	<u>NT</u> Length	AA Length 765	Score		*
10572281_c1_271 Protein name		AAID	<u>NT</u> Length	AA Length 765	Score		*
Protein name Description NO-HIT	3595	<u>AAID</u> 8817	NT Length 254	AA Length 765 Locus	Score		*
Protein name Description NO-HIT ORF Name		<u>AAID</u> 8817 <u>AAID</u>	NT Length 254	AA Length Locus AA Length	Score S Name	Acc#	*
Protein name Description NO-HIT		<u>AAID</u> 8817	NT Length 254	AA Length 765 Locus	Score S Name	Acc# Probability	*
Protein name Description NO-HIT ORF Name		<u>AAID</u> 8817 <u>AAID</u>	NT Length 254	AA Length Locus AA Length AA Length	Score S Name	Acc#	*
Protein name Description NO-HIT ORF Name		<u>AAID</u> 8817 <u>AAID</u>	NT Length 254	AA Length Locus AA Length AA Length	Score Score	Acc# Probability	*

			$\overline{\mathbf{NT}}$	<u>AA</u>	score	Probability	
ORF Name	NTID	AAID	Length	Length			_
10740936_f3_233	3597	8819	627 1	.884	292	7.6e-24]
Protein name				Locus	8 Name	Acc#	
serine/threonine	protein kina	ase relat	ed	pir:H6	9064	H69064	
protein							
Description							
			NT	AA	Caoro	Probability	_
ORF Name	NTID	AAID	Length	Length	Score	PIODADITICY	
11723437 <u>f2</u> 138	3598	8820	307	924			
Protein name				Locus	s Name	Acc#	
Description							
NO-HIT							
			NT	AA			
ORF Name	NTID	AAID	Length	Length	Score	Probability	
11984410 <u></u> c3 <u></u> 488	3599	8821	258	777	460	1.6e-43	
Protein name				Locu	s Name	Acc#	
hypothetical pro	tein			gp:SAU	RED	Y09927	
Description	-	- 9					
Staphylococcus a	ureus glmM g	ene clust	cer.	0			
			NUU	AA			
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
1250280 <u></u> f1 <u></u> 25	3600	8822	157	474	203	2.7e-16	
Protein name				Locu	s Name	Acc#	
				sp:YOH	J_ECOLI	P33372	
Description							
HYPOTHETICAL 14.	6 KD PROTEIN	IN PBPG	-CDD INTE	RGENIC R	EGION		
			and the second second				

ORF Name	NTID AAID	NT AA Score Probability Length Length	
12538406_f3_242	3601 8823	633 1902 454 6.8e-43	
Protein name		Locus Name Acc#	
		sp:YFEW_ECOLI P77619	
Description			
HYPOTHETICAL 47.8	KD PROTEIN IN UCPA-	AMIA INTERGENIC REGION PRECURSOR	
		NT AA Grand Drobability	
ORF Name	NTID AAID	Length Length Score Probability	
12673751_f2_171	3602 8824	110 330	
Protein name		Locus Name Acc#	
Description			
NO-HIT			
		NT AA Grand Drobability	
ORF Name	<u> </u>	Length Length Score Probability	
1351375 <u></u> c3 <u></u> 464	3603 8825	82 249	
Protein name		Locus Name Acc#	
Description			
NO-HIT]
		NT AA Grave Probability	
ORF Name	NTID AAID	<u>NT AA</u> Score Probability Length Length	
13709431 <u></u> c2 <u></u> 416	3604 8826	137 414 150 1.1e-10	
Protein name		Locus Name Acc#	
hypothetical prot	ein	pir:S76920 S76920	
Description			
		NT AA Grana Probability	
ORF Name	NTID AAID	Length Length Score Floodbillty	
13808507 <u>f</u> 1 <u>4</u> 5	3605 8827	307 924 177 3.1e-13	
Protein name		Locus Name Acc#	
comEA protein-rel	lated protein	pir:F72301 F72301	
Description			

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ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
14257802_£3_240	3606	8828	391 1	176	127	2.1e-13	
Protein name				Locus	Name	Acc#	
hypothetical protei	n			pir:G75	375	G75375	
Description							
			NT	AA	Score	Probability	_
ORF Name	NTID	AAID	Length	<u>Length</u>	2016	riobability	
14459691 <u></u> .c2 <u></u> .408	3607	8829	237	714	106	0.0065	
Protein name				Locus	Name	Acc#	
triadin isoform 3				gp:AF16	5917	AF165917	
Description							
Canis familiaris tr	riadin isc	oform 3 mR	NA, comp	lete cds.	(1)		
			NT	AA	Score	Probability	_
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
ORF Name 14500800c2415		<u>AAID</u>	Length		Score	Probability	
			<u>Length</u>	Length	Score Name	Probability Acc#	
14500800 <u></u> c2 <u></u> 415			<u>Length</u>	Length	21		
14500800c2415 Protein name			<u>Length</u>	Length	21		
Protein name Description			<u>Length</u>	Length	3 Name	Acc#	
Protein name Description			Length 399	Length 1200 Locus	21		
Protein name Description NO-HIT	3608 NTID	8830	Length 399 NT Length	Length Locus	3 Name	Acc#	
Protein name Description NO-HIT ORF Name	3608 NTID	8830 8AID	Length 399 NT Length	Length Locus AA Length	Score	Acc# Probability	
Protein name Description NO-HIT ORF Name 15681530_c3_444	3608 NTID	8830 8AID	Length 399 NT Length	Length Locus AA Length Locus	Score	Acc# Probability 5.7e-31	
Protein name Description NO-HIT ORF Name 15681530_c3_444	3608 NTID	8830 8AID	Length 399 NT Length	Length Locus AA Length Locus	Score 246 Name	Acc# Probability [5.7e-31 Acc#	

ORF Name	NTID AAID	NT AA Score	Probability
15713262_c3_456	3610 8832	71 216 Name	Nog#
Protein name Description		Locus Name	Acc#
NO-HIT			
ORF Name	NTID AAID	NT AA Length Length Score	Probability
157788_f2_91	3611 8833	263 792 Locus Name	Acc#
Protein name Description		100db 1.dino	
NO-HIT			
ORF Name	NTID AAID	NT AA Score Length Length	Probability
16289086f3259	3612 8834	309 930 129	3.4e-05
Protein name		Locus Name	Acc#
interphotorecepto	r retinoid-binding p	rotein gp:DRRNAIRBP	X85957
Description	* *		
Danio rerio mRNA	for interphotorecept	or retinoid-binding prot	ein.
		NT AA Score	Probability
ORF Name	NTID AAID	Length Length	
16804510 <u></u> c3 <u></u> 471	3613	79 240	
Protein name		Locus Name	Acc#
Description			

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ORF Name	NTID	AAID	<u>NT</u> Length	AA Length	Score	Probability	
19547890_f1_5	3614	8836	370	113	188	8.2e-17]
Protein name				Locus	Name	Acc#	
				sp:OTC_	ARCFU	029013	
Description							
ORNITHINE CARBAMO	YLTRANSFERA	SE, (OTCAS	SE)			0	
			NT	AA			
ORF Name	NTID	AAID	<u>Length</u>	<u>Length</u>	Score	Probability	
19727333_c3_491	3615	8837	208	527			
Protein name				Locus	Name	Acc#	
Description							
NO-HIT	· · · · · · · · · · · · · · · · · · ·						
			NT	AA			
ORF Name	NTID	AAID	<u>Length</u>	Length	Score	Probability	
20134428 <u>f3</u> 255							
	3616	8838	139	420			
Protein name	3616	8838	139		s Name	Acc#	
	3616	8838	139		s Name	Acc#	
Protein name	3616	8838	139		s Name	Acc#	
Protein name Description	3616	8838		Locu	s Name	- 1	
Protein name Description	NTID	8838 AAID	NT Length		s Name	Acc# Probability	
Protein name Description NO-HIT	NTID		NT Length	Locu		- 1	
Protein name Description NO-HIT ORF Name	NTID	AAID	NT Length	Locu AA Length		- 1	
Protein name Description NO-HIT ORF Name 20312527_f2_165	NTID	AAID	NT Length	Locu AA Length	Score	Probability	

	NMIT	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
ORF Name	NTID				153	7.6e-11
21913177_c3_446	3618	8840	255 7	68		
Protein name					Name	Acc#
transcription regul	ator, crp	family		pir:F72	285	F72285
Description						
			NT	AA		
ORF Name	NTID	AAID	Length	Length	Score	Probability
21961513 <u></u> £2 <u></u> 145	3619	8841	456 1	371	861	5.1e-86
Protein name				Locus	s Name	Acc#
				sp:YBB0	C_BACSU	P40407
Description						
(ORF2)	*			*		
			NT	AA	Caoro	Probability
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
ORF Name 21989375_f2_128		<u>AAID</u>	Length		Score	Probability 2.2e-60
			Length	Length		
219893.75 <u></u> .£2 <u></u> .128			Length	Length 332 Locu	619	2.2e-60
219893.75 <u></u> .£2 <u></u> .128			Length	Length 332 Locu	619 .	2.2e-60 <u>Acc#</u>
21989375_f2_128 Protein name	3620	8842	Length	Length 332 Locu	619 .	2.2e-60 <u>Acc#</u>
Protein name Description	3620	8842	Length 443	Length 332 Locu sp:MUR	619 .	2.2e-60 Acc# P96613
Protein name Description	3620	8842	Length	Length 332 Locu	619 .	2.2e-60 Acc# P96613 Probability
Protein name Description (D-ALANYL-D-ALANIN	3620 E-ADDING E	8842 ENZYME)	Length 443 NT Length	Length Locu Sp:MUR	619 s Name F_BACSU	2.2e-60 Acc# P96613
Protein name Description (D-ALANYL-D-ALANING ORF Name	3620 E-ADDING E	8842 ENZYME) AAID	Length 443 NT Length	Length Locu Sp:MUR AA Length	Score	2.2e-60 Acc# P96613 Probability
Protein name Description (D-ALANYL-D-ALANIN ORF Name 22062501_t3_175	3620 E-ADDING E	8842 ENZYME) AAID	Length 443 NT Length	Length Locu Sp:MUR AA Length	Score 414 s Name	2.2e-60 Acc# P96613 Probability 1.2e-38

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ORF Name	NTID AAID	$rac{ ext{NT}}{ ext{Length}}$ $rac{ ext{AA}}{ ext{Length}}$ $rac{ ext{Score}}{ ext{Probability}}$
22136_f2_129	3622 8844	459 1380 948 3.1e-95
Protein name		Locus Name Acc#
sodium-dependent	transporter homolog	yock pir:D69902 D69902
Description		
		NT AA Garaa Dashahilita
ORF Name	NTID AAID	Length Length Score Probability
22460312 <u></u> £1 <u></u> 54	3623 8845	1121 3366 461 1.5e-66
Protein name		Locus Name Acc#
115K outer membra protein	ane protein precurso	r:SusC pir:JC6027 JC6027
Description		
		NII 7.7
ORF Name	NTID AAID	NT AA Score Probability Length Length
22900257 <u>c2355</u>	3624 8846	175 528
Protein name		Locus Name Acc#
Description		
NO-HIT		
	1	NT AA Score Probability
ORF Name	NTID AAID	Length Length Score Probability
23484750 <u></u> £3 <u></u> 257	3625 8847	893 2682 1179 1.0e-119
Protein name		Locus Name Acc#
		sp:PARC_BORBU 051066
Description	*	
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ORF Name	NTID	AAID	NT Length	<u>AA</u> Length	Score	Probability
23721906_c3_472 Protein name	3626	8848		Locus	s Name	Acc#
Description	-					
NO-HIT						
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
23930318 <u>_</u> £3 <u>_</u> 172	. 3627	8849	839	2520	407	1.9e-38
Protein name				Locus	Name	Acc#
outer membrane pro	tein Omp85			gp:AF02	21245	AF021245
Description						
Neisseria meningit	idis outer	membrane	protein	Omp85 (c	mp85) ge	ene, complete
cds.	- W		*			
-	NTID	AAID	NT Length	<u>AA</u> Length	Score	Probability
cds.	NTID		NT Length	AA		Probability
ORF Name	NTID	AAID	NT Length	AA Length		Probability Acc#
ORF Name 23.93.27.86	NTID	AAID	NT Length	AA Length	Score	
ORF Name 23.93.2786	NTID	AAID	NT Length	AA Length	Score	
ORF Name 23.93.2786_f3_258 Protein name Description	NTID	AAID	NT Length	AA Length	Score	
ORF Name 23.9.3.2.7.8.6t32.5.8 Protein name Description NO-HIT	NTID 3628 NTID	<u>AAID</u> 8850	NT Length 297 NT NT Length	AA Length B94 Locus	Score Name	Acc#
ORF Name 23.93.27.86t3258 Protein name Description NO-HIT ORF Name	NTID 3628 NTID	<u>AAID</u> 8850 <u>AAID</u>	NT Length 297 NT NT Length	AA Length Locus AA Length Locus AA Length	Score Score	Acc# Probability
ORF Name 23.9.3.2.7.8.6t32.5.8 Protein name Description NO-HIT ORF Name 23.9.5.7.9.5.0t13.8	NTID 3628 NTID 3629	<u>AAID</u> 8850 <u>AAID</u>	NT Length 297 NT NT Length	AA Length Locus AA Length Locus AA Length	Score Score 353 Name	Acc# Probability 1.0e-28
ORF Name 23.9.3.2.7.86	NTID 3628 NTID 3629	<u>AAID</u> 8850 <u>AAID</u>	NT Length 297 NT NT Length	AA Length Locus AA Length Locus Locus Locus	Score Score 353 Name	Acc# Probability 1.0e-28 Acc#

ORF Name NTID AAID Length Length Score Probability 24019053_f2_101 3630 8852 89 270 169 1.1e-12 Protein name Locus Name Acc# DNA repair protein pir:H72239 H72239 Description]
ORF Name NTID AAID NT Length AA Length Score Probability 24025277t2100 3631 8853 141 426 189 8.2e-15 Protein name Locus Name Acc# Sp:RADC_BACSU Q02170 Description DNA REPAIR PROTEIN RADC HOMOLOG (ORFB)]
ORF Name NTID AAID Length Length Length Description NTID AAID AAID AAID Length Length Length Length Length Length Length Score Probability 1.1e-15 Locus Name Acc# AF175717 AF175717 Description Porphyromonas gingivalis strain W50 immunoreactive 30kD antigenPG44 gene, complete cds.	
ORF Name NTID AAID Length Length Score Probability 24026552£167	<i>(</i> 1)

ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probabi	lity
24270327_c3_498 Protein name	3634	8856	265	798	98 Name	0.019	
unknown				gp:AF04	Name 19236		<u>c#</u> 49236
Description Arabidopsis thalian nuclear DNA-binding chlorophyll syntheta putative acyl-coA degenes, complete cds.	protein G2] ase (AtG4), ehydrogenase	p (AtG2) putative e(AtG6),	, Eml pro etransmer	otein(ATE mbrane pi	EM1), put cotein G5	ative p (AtG5)	,
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probabi	lity
24415892 <u>c3</u> 489 Protein name	3635	8857	76	Locus	s Name	Ac	<u>c#</u>
Description							
NO-HIT							
NO-HIT	NTID	AAID	NT Length	AA Length	Score	Probabi	lity
		AAID 8858	Length		<u>Score</u>	Probabi	
ORF Name 244.703.00c3500 Protein name			Length	Length Locus	1234 s Name	1.5e- Ac	125 c#
ORF Name 24470300_c3_500			Length	Length	1234 s Name	1.5e- Ac	125
ORF Name 244.703.00c3500 Protein name acetate kinase			Length	Length Locus	1234 s Name	1.5e- Ac	125 <u>c#</u> 397
ORF Name 24470300_c3_500 Protein name acetate kinase Description	3636 E	8858	Length 404 NT Length	Length Locus Dir:H72 AA Length	1234 s Name 2397	1.5e- Ac H72 Probabi	125 <u>c#</u> 397 lity
ORF Name 244.703.00c3500 Protein name acetate kinase Description ORF Name 24641933t2142	NTID 3637	AAID	Length 404 NT Length	Length Locus Dir:H72 AA Length	1234 S Name 2397 Score 167 S Name	1.5e- Ac H72 Probabi 9.9e- Ac	125 c# 397 lity

ORF Name 24648257_f3_205 Protein name	NTID 3638	<u>AAID</u>	NT Length 233 7		Score 449 s Name K_ECOLI	Probability 2.3e-42 Acc# P33373
Description				- N - M - T - N - T -		
HYPOTHETICAL 24.5	KD PROTEIN	IN PBPG-	CDD INTER	RGENIC R	EGION	
ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability 2.3e-97
24804562_f3_229	3639	8861	341 1	L026		
<u>Protein name</u>					s Name	Acc#
aspartate-semialde	hyde dehyd	lrogenase,		pir:B7	0461	B70461
Description						
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
25494017 <u>t3</u> 235	3640	8862	470	1413	259	2.1e-24
Protein name				Locu	ıs Name	Acc#
amidase enhancer				gp:AB0	17194	AB017194
Description						
Plectonema boryanu enhancer genes, com	m ORF270, plete and	proline partial	iminopept cds.	idase, f	erredoxi	n andamidase
			NT	<u>AA</u>	Score	Probability
ORF Name	NTID	AAID	<u>Length</u>	Length	*	5 00 32
26359827 <u>c3_476</u>	3641	8863	242	729	365	1.8e-33
Protein name				1	us Name	Acc#
				sp:YG	DL_ECOL1	Q46927
Description					-	
HYPOTHETICAL 28.6	KD PROTEI	N IN GCVA	-MLTA INT	ERGENIC	REGION	

	-		NT	AA	Score	Probability
ORF Name	NTID	AAID	Length	Length		
26364591_c3_512	3642	8864	61 1	86		
Protein name				Locus	Name	Acc#
Description						
						. *
NO-HIT						
ORF Name	NTID	DIAA	NT Length	<u>AA</u> Length	Score	Probability
26594061_c2_354	3643	8865	495 1	.488	814	4.2e-122
	3 4 4 4	0	<u> </u>	Locus	Name	Acc#
Protein name						
				sp:NRF7	A_HAEIN	P45017
Description						
CYTOCHROME C552 PRE	CURSOR			-		- 1
			NT	AA		1 1 1 7 1 1 1 1
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
ORF Name 265958773487	NTID 3644	<u>AAID</u> 8866	Length		Score	Probability
			Length	Length		
26595877 <u></u> c3 <u></u> 487			Length	Length O72 Locus	707	1.1e-69
26595877 <u>G3487</u>			Length	Length O72 Locus	707 s Name	1.1e-69 <u>Acc#</u>
Protein name Description	3644	8866	Length	Length D72 Locus	707 S Name S_ECOLI	1.1e-69 <u>Acc#</u>
26595877 <u>G3487</u>	3644	8866	Length 323 STESA INTI	Length D72 Locus	707 S Name S_ECOLI	1.1e-69 <u>Acc#</u>
Protein name Description	3644	8866	Length	Length D72 Locus	707 S Name S_ECOLI	1.1e-69 <u>Acc#</u>
Protein name Description HYPOTHETICAL 32.9 K	3644 D PROTEIN	IN USHA-	Length 323 TESA INTI NT Length	Length Documents Locuments ERGENIC I	707 S Name S_ECOLI REGION	1.1e-69 <u>Acc#</u> P77454
Protein name Description HYPOTHETICAL 32.9 K ORF Name	D PROTEIN NTID	IN USHA-	Length 323 TESA INTI NT Length	Length Locus Sp:YBA ERGENIC 1 AA Length	707 S Name S_ECOLI REGION Score	Acc# P77454 Probability
Protein name Description HYPOTHETICAL 32.9 K ORF Name 26.6.0.15.86c23.95	D PROTEIN NTID 3645	IN USHA-	Length 323 TESA INTI NT Length	Length Locus Sp:YBA ERGENIC 1 AA Length	707 S Name S_ECOLI REGION Score 553 S Name	1.1e-69 Acc# P77454 Probability 2.2e-53

	NTID	AAID	Length	Length	Score	Probability
29414003_f2_118	3646	8868	70	13		
Protein name			•	Locus	Name	Acc#
Description						
NO-HIT					2	
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
29478385 <u></u> c1 <u></u> 297	3647	8869	712	139	703	3.0e-79
Protein name				Locus	Name	Acc#
hypothetical protei	n			pir:S76	532	S76532
Description						
	NULT D	7 7 TD	NT	<u>AA</u> Length	Score	Probability
ORF Name	<u>NTID</u> 3648	<u>AAID</u>	Length	2910	1636	3.8e-168
29882802 <u></u> £1 <u></u> 65	3646	8870			s Name	Acc#
Protein name				Locus	Name	ACC#
d lagrate debydroge	nage			mir. N7	19/13	Δ71843
d-lactate dehydroge	nase			pir:A7	1843	A71843
d-lactate dehydroge	nase			pir:A7	1843	A71843
	nase <u>NTID</u>	AAID	NT Length	Pir:A7	Score	A71843 Probability
Description		<u>AAID</u> 8871	Length	AA		
Description ORF Name	NTID		Length	AA Length		
Description ORF Name 3.0120267c1316	NTID		Length	AA Length	Score	Probability

		NT	AA Score	Probability
ORF Name	NTID AAII		ength	1 1.3e-05
30261425_t3_231	3650 8872	600 180		
Protein name			Locus Name	Acc#
unknown		S	p:U96771	U96771
Description				
Prevotella bryan mannanase genes,	tii putative polyga complete cds; and	alacturonase, E unknowngenes.	3-1,4-endogluca	anase, and
ORF Name	NTID AAI	<u>NT</u> D Length L	AA score	Probability
	3651 8873	341 102		8.3e-86
3156927_c3_499	3031 0073		Locus Name	Acc#
Protein name				AJ004870
phosphotransacet	yıase		gp:TTAJ4870	A0004870
Description	erium thermosaccha		and odky gon	os orfi orf2
Thormognaerobact	orium thermosaccha	rolation bras		
orf3, orf4.	erram chermosacena	101yt1tam ptan	and definingen	-
orf3, orf4.		NT	AA Score	Probability
orf3, orf4.	NTID AAI	<u>NT</u> D Length L	AA Score	Probability
orf3, orf4.	NTID AAI	NT	AA Score 4 541	Probability 4.1e-52
orf3, orf4.	NTID AAI	NT D Length L	AA Score 4 541 Locus Name	Probability 4.1e-52 Acc#
ORF Name 31881508c1298	NTID AAI	NT D Length L	AA Score 4 541	Probability 4.1e-52
ORF Name 31881508c1298 Protein name	NTID AAI	NT D Length L	AA Score 4 541 Locus Name	Probability 4.1e-52 Acc#
ORF Name 31881508c1298 Protein name ABC transporter Description	NTID <u>AAI</u>	NT D Length I 237 714	AA Score AAA Score AAA Score	Probability 4.1e-52 Acc#
ORF Name 31881508c1298 Protein name ABC transporter Description ORF Name	NTID <u>AAI</u>	NT D Length I 237 714 NT D Length I D Length I	AA Score Locus Name pir:B70327 AA Score	Probability 4.1e-52 Acc# B70327 Probability
ORF Name 31881508c1298 Protein name ABC transporter Description ORF Name 33211586c3506	NTID <u>AAI</u>	NT D Length I 237 714	AA Score Locus Name pir:B70327 AA Score 429	Probability 4.1e-52 Acc# B70327 Probability 6.3e-45
ORF Name 31881508c1298 Protein name ABC transporter Description ORF Name	NTID <u>AAI</u>	NT D Length I 237 714 NT D Length I 328 98	AA Score Locus Name pir:B70327 AA Score 7 429 Locus Name	Probability 4.1e-52 Acc# B70327 Probability 6.3e-45 Acc#
ORF Name 31881508c1298 Protein name ABC transporter Description ORF Name 33211586c3506 Protein name	NTID <u>AAI</u>	NT D Length I 237 714 NT D Length I 328 98	AA Score Locus Name pir:B70327 AA Score 429	Probability 4.1e-52 Acc# B70327 Probability 6.3e-45
ORF Name 3.18.815.08	NTID <u>AAI</u>	NT Length I 237 714 NT Length I 328 98	AA Score Locus Name pir:B70327 AA Score 7 429 Locus Name sp:DDL_HAEIN	Probability 4.1e-52 Acc# B70327 Probability 6.3e-45 Acc#

			NT	AA	0	Probability
ORF Name	NTID	AAID	Length	Length	Score	Probability
33406262_c3_440	3654	8876	171	16	238	5.3e-20
Protein name				Locus	Name	Acc#
nimB protein				pir:140	183	
Description						
		7	NT	AA		
ORF Name	NTID	AAID	<u>Length</u>	Length	Score	Probability
33675253 <u></u> £2 <u></u> 127	3655	8877	450	.353	186	1.4e-11
Protein name				Locus	Name	Acc#
NorA				gp:AB01	9536	AB019536
Description						
Staphylococcus aur	eus norA23	gene for	NorA, co	omplete c	ds.	
			*			
			NT	7.7		· ·
ORF Name	NTID	AAID	<u>NT</u> Length	AA Length	Score	Probability
ORF Name 34023425_c3_486		<u>AAID</u> 8878	Length		<u>Score</u>	Probability
			Length	Length		
Protein name glutamate decarbox	3656 :ylase:prot	8878	Length	Length	1130 Name	1.6e-114
Protein name glutamate decarbox sll1641:protein sll	3656 :ylase:prot	8878	Length	Length 1461 Locus	1130 Name	1.6e-114 <u>Acc#</u>
Protein name glutamate decarbox	3656 :ylase:prot	8878	Length	Length 1461 Locus	1130 Name	1.6e-114 <u>Acc#</u>
Protein name glutamate decarbox sll1641:protein sll	3656 :ylase:prot	8878	Length	Length 1461 Locus	1130 Name 150	1.6e-114 <u>Acc#</u> \$75150
Protein name glutamate decarbox sll1641:protein sll	3656 :ylase:prot	8878	Length 486	Length Locus pir:S75	1130 Name	1.6e-114 <u>Acc#</u>
Protein name glutamate decarbox sll1641:protein sll Description	3656 Sylase:prot. 1641 NTID	8878 ein	Length 486	Length Locus pir:S75	1130 Name 150	1.6e-114 <u>Acc#</u> \$75150
Protein name glutamate decarbox sll1641:protein sll Description ORF Name	3656 Sylase:prot. 1641 NTID	8878 ein AAID	Length 486	Length Locus pir:S75 AA Length	Name 150 Score	1.6e-114 Acc# S75150 Probability
Protein name glutamate decarbox sll1641:protein sll Description ORF Name	3656 Sylase:prot. 1641 NTID	8878 ein AAID	Length 486	Length Locus pir:S75 AA Length	Name 150 Score 929 Name	1.6e-114 Acc# S75150 Probability 3.2e-93
Protein name glutamate decarbox sll1641:protein sll Description ORF Name	3656 Sylase:prot. 1641 NTID	8878 ein AAID	Length 486	Length Locus Pir:S75 AA Length 579 Locus	Name 150 Score 929 Name BACFR	1.6e-114 Acc# S75150 Probability 3.2e-93 Acc#

ORF Name 34095887_c3_501 Protein name alkaline phosphatase Description	NTID <u>AAID</u> 3658 8880	NT AA Score Length Length 487 Locus Name pir:B72410	<u>Probability</u> [5.7e-58 Acc# B72410
ORF Name 3.46.32811t3178 Protein name hypothetical protei Description	NTID AAID 3659 8881 n sll0670	NT AA Score Length Length 93 Locus Name pir:S77054	Probability 0.038 Acc# S77054
ORF Name 3.5.3.48.8.12f3176 Protein name glutamate 5-kinase Description	NTID AAID 3660 8882 proJ	NT AA Score Length Length 549 Locus Name pir:F69682	Probability 5.9e-53
ORF Name 36345282_cl_330 Protein name Description HYPOTHETICAL 36.7	NTID AAID 3661 8883 KD PROTEIN IN BCHI	NT AA Score Length Length 364 Locus Name Sp:YBC5_CHLVI	Probability 2.4e-33 Acc# 050310
ORF Name 3.6.3.6.5.9.4.2	NTID <u>AAID</u> 3662 8884	NT AA Length Length 297 894 Locus Name	Probability Acc#

ORF Name 3923751_c1_324 Protein name conserved hypothet Description	NTID AAID 3663 8885 ical protein	NT AA Scor Length 114 345 237 Locus Name pir:C75306	6.8e-20
ORF Name 3937680_c2_409 Protein name elastic titin Description	NTID <u>AAID</u>	NT AA Length Length 521 1566 129 Locus Name pir:I38346	0.0015
ORF Name 3939462C3492 Protein name Description	<u>NTID</u> <u>AAID</u> 3665 8887	NT AA Scot	
ORF Name 3.96.1412c23.58 Protein name polyprotein Description Hepatitis C virus		NT AA Length Length Sco Locus Nam gp:AF206441 otein gene, E1/E2 regi	0.013 ne Acc# AF206441
ORF Name 4063932_f1_2 Protein name conserved hypothe Description	NTID AAID 3667 8889 tical protein aq_340	NT AA Scotlength Length Scotlength Length Scotlength Length Scotlength Scotle	0.047

		NT AA	Score	Probability	
ORF Name	NTID AAID				
4101502_c3_494	3668 8890	376 1131			
Protein name		Locu	s Name	Acc#	
Description					
NO-HIT					
		NIII 7.7			
ORF Name	NTID AAID	<u>NT</u> <u>AA</u> Length Length	Score	Probability	
4101563 <u></u> £2 <u></u> 150	3669 8891	285 858	106	0.0082	
Protein name		Loci	s Name	Acc#	
hypothetical protei	In W06B4.2	pir:T	4482	T34482	
Description					
		NITT A A	0		
ORF Name	NTID AAID	<u>NT AA</u> Length Length	Score	Probability	
4109777 <u>_</u> t2 <u>_164</u>	. 3670 8892	599 1800	176	1.5e-09	
Protein name		Loci	ıs Name	Acc#	
hypothetical protei	in	pir:S'	5991	S75991	
Description					
		2.7			-
ORF Name	NTID AAII	NT AA Length Length	Score	Probability	-
ORF Name 4410807 <u>f3</u> 236			Score	Probability 4.1e-19	
*		Length Length			
4410807 <u>f3</u> 236		Length Length	252 is Name	4.1e-19	
4410807 <u>f3</u> 236		Length Length 437 Locu	252 is Name	4.1e-19 Acc#	

	NTID AAID	NT AA Sco	re Probability
ORF Name		419 1260 867	1.2e-86
4535957_£3_177	3672 8894		
Protein name		Locus Nan	
gamma-glutamyl pl	nosphate reductase	gp:STPROBA	X92418
Description			
S.thermophilus p	roB and proA genes.		
ORF Name	NTID AAID	<u>NT</u> <u>AA</u> Length Length	ore Probability
4554687_c1_329	3673 8895	184 555 382	2.9e-35
Protein name		Locus Nar	me Acc#
		sp:YBC5_CH	UVI 050310
Description			*
HYPOTHETICAL 36.	7 KD PROTEIN IN BCHI	5'REGION	
		NT AA Sco	ore Probability
ORF Name	NTID AAID	NT AA Sco Length Length	ore Probability
ORF Name 4563927_c3_441		SCC	
		Length Length	1.3e-30
4563927_c3_441 Protein name small subunit of		Length Length 338 Locus Na	1.3e-30 me <u>Acc#</u>
4563927_c3_441 Protein name small subunit of reductase	3674 8896	Length Length 338 Locus Na	1.3e-30 me <u>Acc#</u>
Protein name small subunit of reductase Description	cytochrome c nitrite	Length Length 338 Locus Na gp:WSU2455	1.3e-30 <u>Acc#</u> 40 AJ245540
Protein name small subunit of reductase Description	3674 8896	Length Length 338 Locus Na gp:WSU2455	1.3e-30 <u>Acc#</u> 40 AJ245540
Protein name small subunit of reductase Description Wolinella succin	cytochrome c nitrite	Length Length 202 609 338 Locus Na gp:WSU2455 tial), nrfH, nrfA, n	1.3e-30 me Acc# 40 AJ245540 rfI, andnrfJ
Protein name small subunit of reductase Description Wolinella succin	cytochrome c nitrite	Length Length 202 609 338 Locus Na gp:WSU2455 tial), nrfH, nrfA, n	1.3e-30 <u>Acc#</u> 40 AJ245540
Protein name small subunit of reductase Description Wolinella succingenes.	cytochrome c nitrite	Length Length 202 609 338 Locus Na gp:WSU2455 tial), nrfH, nrfA, n	1.3e-30 me Acc# 40 AJ245540 rfI, andnrfJ
Protein name small subunit of reductase Description Wolinella succingenes.	cytochrome c nitrite	Length Length 202 609 338 Locus Na gp:WSU2455 tial), nrfH, nrfA, n NT AA Length Length	1.3e-30 me Acc# 40 AJ245540 rfI, andnrfJ ore Probability
Protein name small subunit of reductase Description Wolinella succingenes. ORF Name	cytochrome c nitrite	Length Length 202 609 338 Locus Na gp:WSU2455 tial), nrfH, nrfA, n NT AA Length Length Sc 642 1929	1.3e-30 me Acc# 40 AJ245540 rfI, andnrfJ ore Probability

ORF Name	NTID AAID	NT AA Score	Probability
4718961 c2 413	3676 8898	217 654 151	1.3e-08
Protein name		Locus Name	Acc#
protein kinase ho	omolog	pir:T42077	T42077
Description			
-		NT AA GGOYO	Dwahahilitu
ORF Name	NTID AAID	Length Length	Probability
4723376 <u></u> £1 <u></u> 59	3677 8899	1027 3084	
Protein name		Locus Name	Acc#
Description			
NO-HIT			
		NT AA Score	Probability
ORF Name	NTID AAID	Length Length	110000011227
4744062 <u></u> c2 <u></u> 397	3678 8900	87 264	
Protein name		Locus Name	Acc#
Description			
NO-HIT	. 1		
		NT AA Score	Probability
ORF Name	NTID AAID	Length Length	
4782761 <u></u> f3 <u></u> 207	3679 8901	342 1029 109	0.0020
Protein name		Locus Name	Acc#
hypothetical pro	otein PAB0896	pir:G75045	G75045
Description			
	1	NT AA Sgore	Probability
ORF Name	NTID AAID	Length Length Score	FIODADIIICY
48.76.563 <u></u> c2 <u></u> 403		105 318	
Protein name		Locus Name	Acc#
Description			
NO-HIT			

ODE Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
ORF Name							
5272813_f1_63	3681	8903	313 9	42			
Protein name				Locus	Name	Acc#	
Description							
NO-HIT							
			NT	AA		D - 1 - 1 - 1 - 1 - 1	
ORF Name	NTID	AAID	Length	Length	Score	Probability	
5907312 <u>c1332</u>	3682	8904	249 7	50			
Protein name				Locus	Name	Acc#	
Description							
NO-HIT							l
							<u>'</u> .
ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability	
6.022312c2388	3683	8905	164 4	95	92	0.0068	
Protein name	l L	*	<u> </u>	Locus	s Name	Acc#	-
hypothetical protei	n SPAC11E	3.10		pir:T3	7538	T37538	
Description							
					*	-0	-
			NT	<u>AA</u>	Score	Probability	
ORF Name	NTID	AAID	Length	Length		χ	
6109552_c1_317	3684	8906	63 1	.92			
Protein name				Locus	s Name	Acc#	
Description							
NO-HIT]
			NT	AA		Danish alad 1 dibar	
ORF Name	$\underline{\mathtt{NTID}}$	AAID	Length	Length	Score	Probability	
657811_f3_206	3685	8907	323	972	451	1.4e-42	
Protein name		•		Locus	s Name	Acc#	
hypothetical protei	in jhp0277	1		pir:H7	1950	H71950	
Description					-		

			AA Score	Probability
ORF Name NTID	AAID	<u>Length</u> <u>Le</u>	ngth ———	
6754515_f1_77 3686	8908	455 1368		
Protein name			Locus Name	Acc#
Description				
NO-HIT				
ATT D	7 7 TD	<u>NT</u> Length Le	AA ngth Score	Probability
ORF Name NTID	AAID		 7	
6.7.7.088c2412	8909	112 339		*
Protein name			Locus Name	Acc#
Description				
NO-HIT				
NITT IN	AAID	NT Length Le	AA Score	Probability
ORF Name NTID				0.0087
6833.93 <u>f2162</u>	8910	64 195		
				7.00#
Protein name			Locus Name	Acc#
Protein name NADH dehydrogenase 1		g	p:AF069183	AF069183
		9		
NADH dehydrogenase 1 Description Lipolexis gracilis NADH dehy	drogenase		p:AF069183	AF069183
NADH dehydrogenase 1	drogenase l cds.		p:AF069183	AF069183
NADH dehydrogenase 1 Description Lipolexis gracilis NADH dehy	drogenase l cds.		p:AF069183	AF069183
NADH dehydrogenase 1 Description Lipolexis gracilis NADH dehy	drogenase 1 cds. AAID	1 gene, mi	p:AF069183 tochondrial g	AF069183
NADH dehydrogenase 1 Description Lipolexis gracilis NADH dehy mitochondrial protein, partia	l cds.	1 gene, mi	p:AF069183 tochondrial g AA Score	AF069183
NADH dehydrogenase 1 Description Lipolexis gracilis NADH dehy mitochondrial protein, partia ORF Name NTID 6.917183C2_378	AAID	I gene, mi NT Length L	p:AF069183 tochondrial g AA Score	AF069183
NADH dehydrogenase 1 Description Lipolexis gracilis NADH dehy mitochondrial protein, partia ORF Name NTID 6.917183_c2_378	AAID	I gene, mi NT Length L	p:AF069183 tochondrial g AA ength	AF069183 eneencoding Probability
NADH dehydrogenase 1 Description Lipolexis gracilis NADH dehy mitochondrial protein, partia ORF Name NTID 6.917183C2_378	AAID	I gene, mi NT Length L	p:AF069183 tochondrial g AA ength	AF069183 eneencoding Probability

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ORF Name	NTID	AAID	NT Length I	<u>AA</u> Length	Score	Probability	
797255_£3_173	3690 8	912	168 50	7	160	9.7e-12	
Protein name				Locus	Name	Acc#	
automembrane prote	ein H			gp:YEOM	PH	Y12468	
Description						*	
Y.enterocolitica	ompH gene.						
			NT	AA	Score	Probability	
ORF Name	NTID	AAID	<u>Length</u>	Length	<u> </u>		
815626_f2_104	3691 8	913	447 13	44			
Protein name				Locus	Name	Acc#	
Description							
NO-HIT					2		
			NT	AA	G = 0.000	Dwohahility	
ORF Name	NTID	AAID		<u>AA</u> Length	Score	Probability	
ORF Name 84812f156	*	<u>AAID</u> 3914	Length		Score 632	Probability 9.4e-62	
I.	*		Length	Length			-
84812 <u></u> £1 <u></u> 56	*		Length	Length	632 Name	9.4e-62	
84812 <u></u> £1 <u></u> 56	*		Length	Length Locus	632 Name	9.4e-62 Acc#	
84812 <u>f1</u> 56 Protein name	*		Length	Length Locus	632 Name	9.4e-62 Acc#	
Protein name Description	*		Length 404	Length Locus Sp:YBBC	632 Name BACSU	9.4e-62 Acc# P40407	
Protein name Description	*		Length 404 12	Length Locus	632 Name	9.4e-62 Acc#	
Protein name Description (ORF2)	NTID	3914	Length 404 12 NT Length	Length Locus Sp:YBBC	632 Name BACSU	9.4e-62 Acc# P40407	
Protein name Description (ORF2) ORF Name	NTID	AAID	Length 404 12 NT Length	Length Locus Sp:YBBC AA Length	632 Name BACSU Score	9.4e-62 Acc# P40407 Probability	
Protein name Description (ORF2) ORF Name 859637t2140	NTID 3693	AAID	Length 404 12 NT Length	Length Locus Sp:YBBC AA Length	Score 411 Name	9.4e-62 Acc# P40407 Probability 2.5e-38	

NT AA Score Probability
ORF Name NTID AAID Length Length
892000_f3_174
Protein name Locus Name Acc#
periplasmic protein gp:PLU236920 AJ236920
Description
Photorhabdus luminescens yaeL (partial), firA (partial), oma andompH genes.
NT AA Score Probability
ORF Name NTID AAID Length Length
969077_c1_264 3695 8917 521 1566 873 4.8e-121
Protein name Locus Name Acc#
glycinetRNA ligase, glyS:glycyl-tRNA pir:B70146 B70146
synthetase:glycyl-tRNA synthetase
Description
NT AA Grave Brobability
ORF Name NTID AAID Length Length Probability
978432 <u>c1314</u>
Protein name Locus Name Acc#
Description
NO-HIT
NT AA Score Probability
ORF Name NTID AAID Length Length
ORF Name NTID AAID Length Length Score Probability 9843876_f2_99 3697 8919 196 591
ORF Name NTID AAID Length Length
ORF Name NTID AAID Length Length Score Probability 9843876f2_99 3697 8919 196 591 196

ORF Name	NTID	AAID	<u>NT</u> Length	AA Length	Score	Probability	
9940957_c1_325	3698	8920	260 7	83	233	1.8e-19	
Protein name				Locus	Name	Acc#	
				sp:YBBI	HAEIN	P44046	
Description							
HYPOTHETICAL PROTE	IN HI0735						
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
10337833_c2_266	3699	8921	123	372	116	7.8e-06	
Protein name				Locus	s Name	Acc#	
				sp:FAS	PNECA	P29251	
Description							
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	-
ORF Name 1.0.6.2.5.0.4.3		<u>AAID</u> 8922	Length		Score 329	Probability	
			Length	Length	-		
10625043 <u></u> .c3 <u></u> 280			Length	Length 1011 Locu	329	1.2e-29	
10625043G3280 Protein name			Length	Length 1011 Locu	329 s Name	1.2e-29 Acc#	
10.6.2.5.0.43	3700	8922	Length	Length Locu Locu gp:YEH	329 s Name	1.2e-29 Acc#	
Protein name hemin permease Description	3700	8922	Length 336	Length Locu gp:YEH	329 s Name	1.2e-29 Acc# X77867	7
Protein name hemin permease Description	3700	8922	Length	Length Locu Locu gp:YEH	329 s Name	1.2e-29 Acc#	
Protein name hemin permease Description Y.enterocolitica	nemS, hemT,	8922	Length 336 hemV gen NT Length	Length Locu Locu gp:YEH nes.	329 s Name EMSTUV	1.2e-29 Acc# X77867	
Protein name hemin permease Description Y.enterocolitica f	nemS, hemT,	hemU and	Length 336 hemV gen NT Length	Length Locu Locu gp:YEH nes. AA Length	329 s Name EMSTUV	1.2e-29 Acc# X77867	
Protein name hemin permease Description Y.enterocolitica f	nemS, hemT,	hemU and	Length 336 hemV gen NT Length	Length Locu Locu gp:YEH nes. AA Length	329 s Name EMSTUV Score	Acc# X77867 Probability	

ORF Name	NTID AAID	NT AA Score	Probability
12629665_c1_202	3702 8924	350 1053	7 ¹
Protein name Description		Locus Name	Acc#
NO-HIT			
ORF Name	NTID AAID	<u>NT AA</u> Length Length	e Probability
12713383_£1_3	3703 8925	69 210	
<u>Protein name</u>		Locus Name	Acc#
Description NO-HIT			
		NT AA	
ORF Name	NTID AAID	NT AA Length Length	Probability
13102149 <u>_c1_</u> 172	3704 8926	199 600 421	2.1e-39
Protein name		Locus Name	Acc#
		Locus Name	
Description	PTIONAL REGULATORY 1	sp:YLCA_ECOL	
Description	PTIONAL REGULATORY	sp:YLCA_ECOL	
Description	PTIONAL REGULATORY I	sp:YLCA_ECOL	P77380
Description PROBABLE TRANSCRI	NTID AAID	protein ylca NT AA Score	P77380
Description PROBABLE TRANSCRI	NTID AAID	sp:YLCA_ECOL PROTEIN YLCA NT AA Length Length	P77380
Description PROBABLE TRANSCRI ORF Name 1360942_f1_20	NTID AAID	sp:YLCA_ECOL PROTEIN YLCA NT AA Length Length 90 273	P77380 Probability

ORF Name	NTID AAID	NT AA Length Lengt	h Score	Probability
Protein name	J [Loc	us Name	Acc#
Description				
NO-HIT				
NO-HII				
ORF Name	NTID AAID	NT AA Length Lengt	h Score	Probability
14494061F3166	. 3707 8929	236 711	228	6.1e-19
Protein name		Lo	cus Name	Acc#
precorrin-2 methyl slr1879:protein slr		pir:	\$77131	S77131
Description				
ORF Name	NTID AAID	NT AA Length Lengt	<u>Score</u>	Probability
14502316a2234	. 3708 8930	60 183	49	0.046
Protein name		Lo	cus Name	Acc#
		sp:Y	031_TREPA	083074
Description				
HYPOTHETICAL PROTE	IN TP0031			
		NT AA	Score	Probability
ORF Name	NTID AAID	Length Length	<u>score</u>	
15078450 <u>c2</u> 270	3709 8931	492 1479	829	1.2e-82
Protein name		Lo	cus Name	Acc#
putative efflux pu	mp component MtrF	gp:A	F176820	AF176820
Description				
Neisseria gonorrho gene, complete cds	peae strain FA19 pu	ative efflux p	ump compor	entMtrF (mtrF)

	NTID AAID	NT AA Score	Probability
ORF Name			7 2.2e-21
16839502_c2_250	3710 8932		
<u>Protein name</u>		Locus Name	Acc#
hypothetical prot	ein PAB0910	pir:B75048	B75048
Description			
		NT AA Score	Probability
ORF Name	NTID AAID	Length Length	11000011109
16853403 <u></u> c3 <u></u> 279	3711 8933	73 222	
Protein name	,	Locus Name	Acc#
Description			
NO-HIT			
		NT AA Coore	D - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
ORF Name	NTID AAID	Length Length Score	Probability
19553813 <u>f2</u> 91	3712 8934	163 492 376	1.3e-34
Protein name		Locus Name	Acc#
		sp:PYRI_PYRAB	P77919
Description			*
ASPARTATE CARBAM	OYLTRANSFERASE REGULA	TORY CHAIN	
		NT AA G	
ORF Name	NTID AAID	NT AA Score	Probability
20428526 <u></u> £3152	3713 8935	198 597 186	1.7e-14
Protein name	. 1 1	Locus Name	Acc#
hypothetical pro	tein PH0856	pir:D71136	D71136
Description			
ORF Name	NTID AAID	NT AA Score	Probability
20839062 <u>f3</u> 157	3714 8936	682 2049 310	7.4e-25
Protein name		Locus Name	Acc#
histidine kinase	sensor protein (barA	A) RP229 pir:B71677	B71677
Description			

ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	<u>Probability</u>	
21978425_f3_150	3715	8937	310	933	92	0.00087	
Protein name				Locus	s Name	Acc#	
				gp:D420	067	D42067	
Description						*)**	
Porphyromonas ging	ivalis DNA	for Fimb:	rilin, O	RF1-4, co	omplete o	cds.	
rotpitytomonab ging							
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
22272061_f3_131	3716	8938	317	954	783	9.4e-78	
Protein name				Locu	s Name	Acc#	
				sp:KPR	S_HELPY	P56184	
Description				=			
PYROPHOSPHATE SYN'	HETASE)					- 1	1
						1	ı
			NIT	7.7.		7	<u></u>
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	<u></u>
	NTID	<u>AAID</u> 8939	Length		Score	Probability	. =
ORF Name	NTID		Length	Length 285	Score s Name	Probability Acc#	
ORF Name 22375437_t2_90 Protein name	NTID		Length	Length 285	* &		
ORF Name 22375437_f2_90 Protein name Description	NTID		Length	Length 285	* &		
ORF Name 22375437_t2_90 Protein name	NTID		Length 94	Length 285 Locu	* &		
ORF Name 22375437_f2_90 Protein name Description	NTID		Length	Length 285	* &		
ORF Name 223.75437t290 Protein name Description NO-HIT	NTID 3717 NTID	8939	Length 94 NT Length	Length 285 Locu AA	s Name	Acc#]
ORF Name 22375437f290 Protein name Description NO-HIT ORF Name	NTID 3717 NTID	8939 AAID	Length 94 NT Length	Length Locu AA Length	s Name	Acc# Probability 9.3e-22	
ORF Name 223.75437f290 Protein name Description NO-HIT ORF Name 2253.9002c1177	NTID 3717 NTID	8939 AAID	Length 94 NT Length	Length Locu AA Length Locu Locu Locu	s Name Score	Acc# Probability 9.3e-22	
ORF Name 223.75437f290 Protein name Description NO-HIT ORF Name 2253.9002c1177	NTID 3717 NTID	8939 AAID	Length 94 NT Length	Length Locu AA Length Locu Locu Locu	Score 269 s Name	Acc# Probability 9.3e-22 Acc#	

ORF Name	NTID AAID	NT AA Score Probability Length Length	
22656925 cl 218		789 2370 459 5.7e-76	
Protein name	J	Locus Name Acc#	
penicillin binding	protein 1A	pir:F70355 F70355	
Description			
		NTI 7.7.	
ORF Name	NTID AAID	NT AA Score Probability Length Length	
23456506 <u>f1</u> 22	. 3720 8942	60 [183	
Protein name		Locus Name Acc#	
Description			
NO-HIT		-	
		NT AA Score Probability	
ORF Name	NTID AAID	Length Length	
23473387 <u></u> ±12	3721 8943	208 627 115 0.00026	
Protein name		Locus Name Acc#	
hypothetical prote	in BBI16	pir:G70241 G70241	
Description			
· · · · · · · · · · · · · · · · · · ·		NT AA Score Probability	-
ORF Name	NTID AAID	Length Length	
23652250 <u></u> c3301	3722 8944	198 597	**
Protein name		Locus Name Acc#	
Description			
NO-HIT	-		
		NT AA Score Probability	7
ORF Name	<u>AAID</u>	Length Length	
24410937_f3_118	3723 8945	137 414 169 1.1e-12	
Protein name		Locus Name Acc#	
structural protein	1 P5	gp:AF155037 AF1550	37
Description			· · · · · · · · · · · · · · · · · · ·
Alteromonas phage	, complete genome.		

ORF Name	NTID	AAID	<u>NT</u> Length	AA Length	Score	Probability
24495875_£2_93	3724	8946	259	780		
Protein name				Locus	s Name	Acc#
Description						
NO-HIT					···	
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
24626325 <u></u> c3315	3725	8947	1496	1491	157	5.2e-08
Protein name				Locus	s Name	Acc#
putative histidin	e kinase			gp:AF0	36964	AF036964
Description						**
Lactobacillus sak kinase (hpkl) gene			regulato	r (rrp1)	and puta	ativehistidine
		-	NT	AA		
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
ORF Name 24640875_c1_219		<u>AAID</u>	Length		Score	Probability [5.4e-18]
			Length	Length		
24640875_c1_219 Protein name processing protei	3726	8948	Length 329	Length	234 s Name	5.4e-18
Protein name processing protein sl12009:protein sl	3726	8948	Length 329	Length Documents	234 s Name	5.4e-18 <u>Acc#</u>
24640875_c1_219 Protein name processing protei	3726	8948	Length 329	Length Documents	234 s Name	5.4e-18 <u>Acc#</u>
Protein name processing protein sl12009:protein sl	3726	8948	Length 329	Length Documents	234 s Name 7156	5.4e-18 <u>Acc#</u> S77156
Protein name processing protein sl12009:protein sl	3726	8948	Length	Length Locus pir:S7	234 s Name	5.4e-18 <u>Acc#</u>
Protein name processing protein sll2009:protein sl Description	nase s11200 12009	8948 9:protein	Length 329 NT Length	Length Locus pir:S7	234 s Name 7156	5.4e-18 <u>Acc#</u> S77156
Protein name Processing protein sl12009:protein sl Description ORF Name	nase s11200 12009	8948 9:protein AAID	Length 329 NT Length	Length Locus pir:S7 AA Length	234 s Name 7156 Score	5.4e-18 Acc# S77156 Probability
Protein name Processing protein sll2009:protein sl Description ORF Name	3726 3726 3727	8948 9:protein AAID	Length 329 NT Length	Length Locus pir:S7 AA Length	234 S Name 7156 Score 829 S Name	5.4e-18 Acc# S77156 Probability 1.2e-82
Protein name processing protein sli2009:protein sl Description ORF Name 24640938_f2_85	3726 3726 3727	8948 9:protein AAID	Length 329 NT Length	Length Locus Locus AA Length S57 Locus	234 S Name 7156 Score 829 S Name	5.4e-18 Acc# S77156 Probability 1.2e-82

ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
	3728	950	238 7	17			
Protein name			<u></u>	Locus	Name	Acc#	
Description							
NO-HIT				· · · · · · · · · · · · · · · · · · ·			
			NTTI	7.7			_
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
24644067 <u></u> c1180	3729	3951	344 1	035	469	1.8e-44	
Protein name				Locus	Name	Acc#	
ferric enterobact	in transport	ATP-bind	ling	gp:0675	31		
Description							
Methanococcus jan	naschii secti	on 73 of	E 150 of	the comp	lete ger	nome.	
			NT	AA	Score	Probability	
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
ORF Name 24647032c3294		<u>AAID</u> 8952	Length		Score	Probability	
*			Length	Length	Score Name	Probability Acc#	
24647032 <u></u> c3 <u></u> 294			Length	Length			
24647.032c3294 Protein name			Length	Length			
Protein name Description			Length 725 2	Length 2178 Locus		Acc#	
Protein name Description			Length	Length			
Protein name Description NO-HIT	3730 E	3952	Length 725 NT Length	Length 2178 Locus	3 Name	Acc#	
24647032_c3_294 Protein name Description NO-HIT ORF Name	3730 E	3952 AAID	Length 725 NT Length	Length Locus AA Length	Score	Acc# Probability	
Protein name Description NO-HIT ORF Name 24647186t134	3730 E	3952 AAID	Length 725 NT Length	Length Locus AA Length	Score 1159 Name	Acc# Probability 1.3e-117	
Protein name Description NO-HIT ORF Name 24647186t134	3730 E	3952 AAID	Length 725 NT Length	Length Locus AA Length Locus Locus	Score 1159 Name	Acc# Probability 1.3e-117 Acc#	

			NT	<u>AA</u>	gaore	Probability
ORF Name	NTID	AAID	Length	Length	Score	FIODADIIICY
2519010_f1_31	3732	3954	467	404	110	0.0040
Protein name				Locus	Name	Acc#
53kDa major outer	membrane pro	tein		gp:D318	335	D31835
Description						
Porphyromonas gin	givalis DNA f	For 53kDa	a major o	outer men	mbranepro	otein,
			NT	AA		m
ORF Name	NTID	AAID	Length	Length	Score	Probability
25429811_c3_274	3733	8955	468	1407	334	1.5e-31
Protein name				Locus	s Name	Acc#
LisK				gp:AF1	39908	AF139908
Description						
Listeria monocyto	ocones ligh/	isk gene	locus, o	complete	sequence	Э.
Listeria monocyco	genes risk/r				_	
Listeria monocyce	genes risk/r	1010 90110				
ORF Name	NTID	AAID	NT Length	<u>AA</u> Length	Score	Probability
	NTID		<u>NT</u> Length	AA		
ORF Name	NTID	AAID	NT Length	<u>AA</u> Length	Score	Probability
ORF Name 25970057_f1_33	NTID	AAID	NT Length	AA Length 939 Locu	Score 838	Probability 1.4e-83
ORF Name 25970057_f1_33	NTID	AAID	NT Length	AA Length 939 Locu	Score 838 s Name	Probability 1.4e-83 Acc#
ORF Name 25970057t133 Protein name	NTID	AAID	<u>NT</u> Length	AA Length 939 Locu	Score 838 s Name	Probability 1.4e-83 Acc#
ORF Name 25970057_t1_33 Protein name Description	NTID	AAID	NT Length	AA Length 939 Locu sp:PYR	Score 838 s Name	Probability 1.4e-83 Acc# P96174
ORF Name 25970057_t1_33 Protein name Description	NTID	AAID	<u>NT</u> Length	AA Length 939 Locu	Score 838 s Name	Probability 1.4e-83 Acc#
ORF Name 25970057_f1_33 Protein name Description TRANSCARBAMYLASE	NTID 3734 [) (ATCASE) NTID	<u>AAID</u> 8956	NT Length 312	AA Length 939 Locu sp:PYR	Score 838 s Name B_VIBS2	Probability 1.4e-83 Acc# P96174
ORF Name 25970057_f1_33 Protein name Description TRANSCARBAMYLASE	NTID 3734 [) (ATCASE) NTID	<u>AAID</u> 8956 <u>AAID</u>	NT Length 312	AA Length 939 Locu Sp:PYR AA Length 903	Score 838 S Name B_VIBS2 Score	Probability 1.4e-83 Acc# P96174 Probability
ORF Name 25970057_f1_33 Protein name Description TRANSCARBAMYLASE ORF Name 26370312_f3_162	NTID 3734 (ATCASE) NTID 3735	<u>AAID</u> 8956 AAID 8957	NT Length NT Length NT Length 300	AA Length 939 Locu Sp:PYR AA Length 903	Score 838 S Name B_VIBS2 Score 345 S Name	Probability 1.4e-83 Acc# P96174 Probability 2.4e-31

`			NT	AA	Score	Probability	
ORF Name	NTID	AAID	Length	Length	<u> </u>		
26595887_c1_224	3736	8958	244	735	166	2.3e-12	
Protein name				Locus	s Name	Acc#	
probable two-comportranscription regula		m respons	е	pir:T36	5499	T36499	
Description Description]			
<u> </u>							
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
26680261 <u></u> £3 <u></u> 161	3737	8959	181	546			
Protein name				Locus	s Name	Acc#	
Description							
NO-HIT		- 8					
	*		NT	<u>AA</u>	Score	Probability	
ORF Name	NTID	AAID	<u>Length</u>	Length	<u>50010</u>	1100000	
27175 <u>_</u> c2 <u>_</u> 236	. 3738	8960	69	210			
Protein name				Locus	s Name	Acc#	
Description							
NO-HIT			* -]
			NT	AA	Score	Probability	
ORF Name	NTID	AAID	Length	<u>Length</u>	BCOLE	FIODADILLEY	
287518 <u>f2</u> 87	3739	8961	75	228			
Protein name				Locu	s Name	Acc#	
Description					. ()		
NO-HIT]
		-	NT	AA	Score	Probability	
ORF Name	NTID	AAID	Length	Length			
29789211 <u></u> £3 <u>.</u> 146	. 3740	8962	72	219			
Protein name				Locu	s Name	Acc#	
Description							
NO-HIT]

ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
3008468_f3_116 Protein name	3741	8963	318	Locus	Name	Acc#
Description						
NO-HIT						
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
31439062_f1_21	3742	8964	447	1344	97	0.010
Protein name				Locus	Name	Acc#
VirM				gp:ATT	A6NC1	AF039888
Description	*					
Agrobacterium tumef complete cds.	aciens pla	smid pTi	A6NC Vir	M (virM)	and Vir	L(virL) genes,
			NT	AA	Score	Probability
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
ORF Name 31667587f2_81		<u>AAID</u>	Length		Score	Probability
			Length	Length	Score S Name	Probability Acc#
31667587 <u>f2</u> 81			Length	Length		
31667587f281			Length	Length		
Protein name Description			Length 451	Length 1356 Locus	s Name	Acc#
Protein name Description			Length	Length		
Protein name Description NO-HIT	NTID	8965	Length 451 NT Length	Length Locus	s Name	Acc#
Protein name Description NO-HIT ORF Name	NTID	8965 AAID	Length 451 NT Length	Length Locus AA Length	Score	Acc# Probability
Protein name Description NO-HIT ORF Name 32228437_c3_285	NTID	8965 AAID	Length 451 NT Length	Length Locus AA Length	Score 171 S Name	Acc# Probability 2.4e-15
Protein name Description NO-HIT ORF Name 32228437_c3_285 Protein name	NTID 3744	AAID 8966	Length NT Length 706	Length Locus AA Length 2121 Locu gp:AF0	Score 171 S Name 07381	Acc# Probability 2.4e-15 Acc# AF007381

ORF Name	NTID	AAID I	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	•
32229687_c1_217	3745 89			83	91	0.00022	
Protein name				Locus	Name	Acc#	
				sp:IHFA	_HAEIN	P43723	
Description							
INTEGRATION HOS	T FACTOR ALPHA-S	UBUNIT ((IHF-ALP	HA)			
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	7
33465_c3_275	3746 89	68	233 7	02	187	1.3e-14	
Protein name				Locus	Name	Acc#	
				sp:YVB0	BACSU	032244	
Description			*				
HYPOTHETICAL 22	.6 KD PROTEIN IN	OPUCA-E	ENO INTE	RGENIC F	REGION	1.2	- 1
*							
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	Z
ORF Name 34163936t143	-	E	Length		Score	Probability	Z
	-	1	Length	Length 611	0		<u></u>
34163936 <u></u> f1 <u></u> 43	-	1	Length	Length 611	440 s Name	2.1e-41	7
34163936f143 Protein name	-	1	Length	Length 611 Locus	440 s Name	2.1e-41 <u>Acc#</u>	<u>,</u>
34163936_f1_43 Protein name RprX	-	1	Length	Length 611 Locus	440 s Name	2.1e-41 <u>Acc#</u>	
34163936_f1_43 Protein name RprX	-	069	Length	Length 611 Locus	440 s Name	2.1e-41 <u>Acc#</u>	
Protein name RprX Description	NTID	AAID	Length 536 [I	Length Locus gp:S59	440 S Name	2.1e-41 Acc# S59000	
Protein name RprX Description ORF Name	NTID	AAID	Length 536 [I	Length Locus gp:S59 AA Length	440 S Name 0000 Score	2.1e-41 Acc# S59000 Probability	
Protein name RprX Description ORF Name 34275760_c3_310. Protein name	NTID	AAID	Length 536 NT Length 135	Length Locus gp:S59 AA Length	A40 S Name Score 147 S Name	2.1e-41 Acc# S59000 Probability 2.2e-09	Y.

			$\underline{\mathtt{NT}}$	<u>AA</u>	Score	Probability	
ORF Name	NTID	AAID	<u>Length</u>	<u>Length</u>	<u>BCOTC</u>	110000011101	
36040712_c3_292	3749	8971	107 3	24	101	8.5e-05	
Protein name				Locus	s Name	Acc#	
Hypothetical prot	ein HI1452			gp:D90	724		
Description							
Escherichia coli	genomic DNA	. (19.4 -	19.8 mir	1).			
			NT	<u>AA</u>	Score	Probability	
ORF Name	NTID	AAID	<u>Length</u>	<u>Length</u>		4	
37575_c2_244	3750	8972	570 1	713	1579	4.2e-162	
Protein name				Locus	s Name	Acc#	
				sp:FTH	S_CLOAC	P13419	
Description				-			
SYNTHETASE) (FHS)	(FTHFS)						
SININGIADE, (IIIO)	(FIHED)						
DINIIIIIADI) (III)	(FIIIFO)			7.7			
ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability	
	NTID	<u>AAID</u> 8973	Length		Score	Probability 9.6e-78	
ORF Name	NTID		Length	Length		* a	
ORF Name 40.077776t284 Protein name 115K outer membra	<u>NTID</u> 3751	8973	Length	Length	475 s Name	9.6e-78	
ORF Name 40077776t284	<u>NTID</u> 3751	8973	Length	Length 3288 Locus	475 s Name	9.6e-78 <u>Acc#</u>	2
ORF Name 40.077776t284 Protein name 115K outer membra	<u>NTID</u> 3751	8973	Length	Length 3288 Locus	475 s Name	9.6e-78 <u>Acc#</u>	
ORF Name 400.77.76t284 Protein name 115K outer membra protein	<u>NTID</u> 3751	8973	Length 1095 SusC	Length 3288 Locus	475 s Name	9.6e-78 Acc# JC6027	
ORF Name 400.77.76t284 Protein name 115K outer membra protein	<u>NTID</u> 3751	8973	Length	Length 3288 Locus	475 s Name	9.6e-78 <u>Acc#</u>	
ORF Name 40.07.776t284 Protein name 115K outer membra protein Description	NTID 3751 ne protein p	8973 precursor	Length 1095 SusC NT Length	Length Locus Locus pir:JC	475 s Name 6027	9.6e-78 Acc# JC6027	
ORF Name 40.0.7.7.76t284	NTID 3751 ne protein p	8973 precursor AAID	Length 1095 SusC NT Length	Length Locus Locus Pir:JC	475 s Name 6027 Score	9.6e-78 Acc# JC6027 Probability	
ORF Name 40.0.7.7.76t284	NTID 3751 ne protein p NTID 3752	8973 precursor AAID	Length 1095 SusC NT Length	Length Locus Locus Pir:JC	475 S Name 6027 Score 125 S Name	9.6e-78 Acc# JC6027 Probability 5.0e-08	

	7.7.TD	NT AA Score	Probability
ORF Name	NTID AAID		5.9e-53
4484812_c2_267	3753 8975	1224 549	
Protein name		Locus Name	Acc#
hypothetical pro	otein slr1485	pir:S74454	S74454
Description			
		NT AA G	
ORF Name	NTID AAID	Length Length Score	Probability
4727126 <u>f3</u> 117	3754 8976	112 339	
Protein name		Locus Name	Acc#
Description			
NO-HIT			
		NT AA Score	Probability
ORF Name	NTID AAID	<u>Length</u> <u>Length</u>	
4860263 <u></u> £2 <u></u> 113	3755 8977	154 465	
Protein name		Locus Name	Acc#
Description			
NO-HIT			
		NT AA	
ORF Name	NTID AAID	Length Length Score	Probability
4882187 <u></u> c3 <u></u> 316	3756 8978	390 1173 276	7.8e-23
Protein name		Locus Name	Acc#
transposase		gp:AF038866	AF038866
Description	*		
Description Bacteroides fra	agilis transposon Tn59	520 transposase (bipH) and	

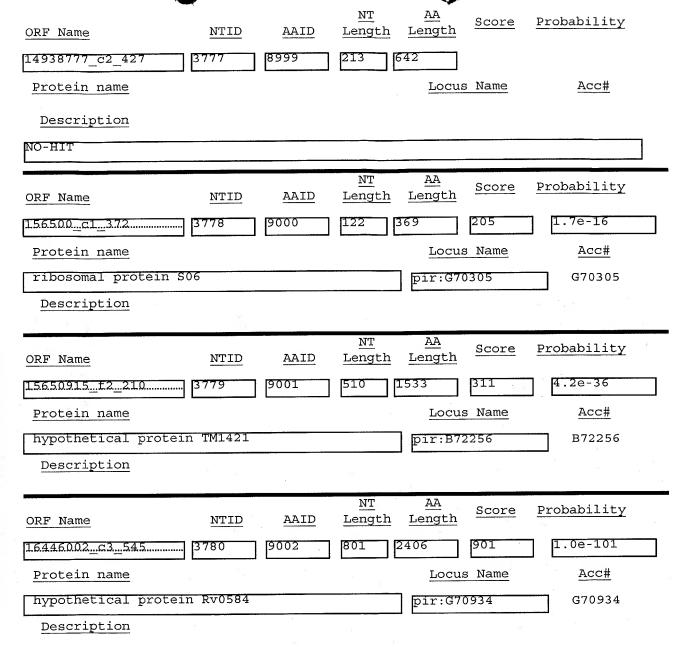
ORF Name	NTID AAID	NT AA Score Probal Length Length	bility
4957677_±3_160	3757 8979	266 801	
Protein name		Locus Name	Acc#
Description			
NO-HIT			
ORF Name	NTID AAID	NT AA Score Probal	bility
5116285 <u>f2</u> 112	3758 8980	585 1758 258 2.80	e-21
Protein name		Locus Name	Acc#
		sp:PA1G_HUMAN Q	15102
Description			
SUBUNIT) (PAF-AH	GAMMA SUBUNIT)		-
ORF Name	NTID AAID	<u>NT AA</u> Score Proba	bility
ORF Name 546.942_c3_293		— Score Propa	bility
		Length Length Score Proba.	bility Acc#
546.942 <u></u> c3 <u></u> 293		Length Length Score Proba.	
546.942_c3_293 Protein name		Length Length Score Proba.	
Protein name Description		Length Length Score Proba. [79] [240] Locus Name	Acc#
Protein name Description		Length Length Score Proba. [79] [240] Locus Name	
546.942_c3_293 Protein name Description NO-HIT	3759 8981 NTID AAID	Length Length Score Proba- 179 240 Locus Name NT AA Length Length Score Proba-	Acc#
Description NO-HIT ORF Name	3759 8981 NTID AAID	Length Length Score Probabilities Locus Name NT AA Score Probabilities Length Length Score Probabilities 106 321 183 8.2	Acc# bility
Protein name Description NO-HIT ORF Name 6.538182_c1_1.79 Protein name	3759 8981 NTID AAID	Length Length Score Probabilities 79 240	Acc# bility e-14
Protein name Description NO-HIT ORF Name 6.538182_c1_1.79 Protein name	3759 8981 NTID AAID	Length Length Tocus Name Locus Name NT AA Score Probate Length Length Locus Name Locus Name Sp:BTUC_ECOLI	Acc# bility e-14

ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
6679652_±2_78	3761	8983	288	867	338	1.3e-30	
Protein name			•	Locus	Name	Acc#	
				sp:KDSE	HAEIN	P44490	
Description							_
SYNTHETASE) (CMP-	-2-KETO-3-DE	OXYOCTULO	SONIC AC	ID SYNTHE	TASE) (CKS)]
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
9881327_f3_145	3762	8984	704	2115			
Protein name				Locus	Name	Acc#	
Description							
NO-HIT					6,		1
							j
							<u>. </u>
ORF Name	NTID	AAID	NT Length	<u>AA</u> Length	Score	Probability	<u>. </u>
		AAID 8985	Length		Score 222	Probability	
ORF Name			Length	Length	1		<u>. </u>
ORF Name 191552_f1_2	3763	8985	Length	Length	222 S Name	1.2e-17	
ORF Name 191552_f1_2 Protein name	3763	8985	Length	Length 477 Locus	222 S Name	1.2e-17 <u>Acc#</u>	
ORF Name 191552_f1_2 Protein name probable phospho-	3763	8985	Length	Length 477 Locus	222 S Name	1.2e-17 <u>Acc#</u>	
ORF Name 191552_f1_2 Protein name probable phospho-	3763	8985	Length	Length 477 Locus	222 S Name	1.2e-17 <u>Acc#</u>	
ORF Name 191552_f1_2 Protein name probable phospho- Description	sugar mutas	8985 e 2	Length 159 NT Length	Length 477 Locus pir:E7	222 S Name	1.2e-17 Acc# E71082	
ORF Name 191552_f1_2 Protein name probable phospho- Description ORF Name	sugar mutas	8985 e 2 <u>AAID</u>	Length 159 NT Length	Length 477 Locus pir:E7	222 S Name	1.2e-17 Acc# E71082	
ORF Name 191552_f1_2 Protein name probable phospho- Description ORF Name 19812812_c1_4	sugar mutas	8985 e 2 <u>AAID</u>	Length 159 NT Length	Length 477 Locus pir:E7	222 S Name 1082 Score	I.2e-17 Acc# E71082 Probability	

ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
3957142 f1_1	3765	8987		231			
Protein name			<u> </u>		Name	Acc#	
Description							
NO-HIT			,			-	1
140 1111							<u> </u>
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
10322187 <u></u> ±1 <u></u> 86	3766	8988	219	660	17		
Protein name				Locus	s Name	Acc#	
Description							
NO-HIT					* -		
							_
ORF Name	NTID	AAID	<u>NT</u> Length	AA Length	Score	Probability	
ORF Name 1054553c2428		<u>AAID</u>	Length		Score 368	Probability 8.9e-34	
			Length	Length	*		
1054553 <u></u> a2 <u></u> 428	3767	8989	Length	Length	368 s Name	8.9e-34	
1054553c2428 Protein name	3767	8989	Length	Length 1083 Locus	368 s Name	8.9e-34 <u>Acc#</u>	
Protein name Conserved hypothet Description	3767	8989 ein aq_163	Length 360	Length Locus pir:F7	368 s Name	8.9e-34 <u>Acc#</u>	
Protein name Conserved hypother Description ORF Name	3767	8989 ein aq_163	Length 360 NT Length	Length Locus pir:F7	368 S Name 0440	8.9e-34 Acc# F70440	
Protein name Conserved hypother Description ORF Name	3767	8989 ein aq_163	Length 360 NT Length	Length Locus Locus Pir:F7	368 S Name 0440	8.9e-34 Acc# F70440	
Protein name conserved hypother Description ORF Name 10557192_f1_32 Protein name	3767	8989 ein aq_163	Length 360 NT Length	Length Locus Locus Pir:F7	368 S Name 0440 Score	8.9e-34 Acc# F70440 Probability	
Protein name Conserved hypother Description ORF Name	3767	8989 ein aq_163	Length 360 NT Length	Length Locus Locus Pir:F7	368 S Name 0440 Score	8.9e-34 Acc# F70440 Probability	

			$\underline{\mathbf{NT}}$	\underline{AA}	Score	Probability
ORF Name	NTID	AAID	Length	Length	<u> </u>	*
11726391_c3_547	3769	8991	154 4	65	538	8.6e-52
Protein name				Locus	Name	Acc#
putative UDP-GlcNA	Ac:undecapre	nylphosph	ate	gp:AF04	18749	AF048749
Description		A Committee of the Comm				
Bacteroides fragi	lis capsular	polysaco	haride b	oiosynthe	esis oper	on,complete
	×		NTITI	7) 7)		
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
1178127_f1_9	3770	8992	374	125	972	8.8e-98
Protein name				Locus	s Name	Acc#
				sp:ARO	C_SYNY3	P23353
Description						
PHOSPHOLYASE)			7			
PHOSPHOLYASE)						
PHOSPHOLYASE) ORF Name	NTID	AAID	NT Length	AA Length	Score	Probability
-		<u>AAID</u> 8993	Length		Score	Probability 6.6e-09
ORF Name			Length	Length		
ORF Name 1226412_t2_170			Length	Length	160 Name	6.6e-09
ORF Name 1226412t2170 Protein name			Length	Length Locus	160 Name	6.6e-09 Acc#
ORF Name 1226412_t2_170 Protein name GumF protein			Length	Length Locus	160 Name	6.6e-09 Acc#
ORF Name 1226412_t2_170 Protein name GumF protein Description			Length	Length Locus	160 Name	6.6e-09 Acc#
ORF Name 1226412_t2_170 Protein name GumF protein	3771 NTID	8993	Length 370 [1]	Length Locus pir:S6	160 S Name 7855	6.6e-09 <u>Acc#</u> S67855
ORF Name 1226412_t2_170 Protein name GumF protein Description ORF Name	3771 NTID	8993 AAID	Length 370 [1]	Length Locus pir:S6	160 S Name 7855	6.6e-09 <u>Acc#</u> S67855
ORF Name 1226412t217.0 Protein name GumF protein Description ORF Name 12363467_t2195 Protein name	3771 NTID	8993 AAID	Length 370 [1]	Length Locus pir:S6	Name 7855 Score	Acc# S67855 Probability
ORF Name 1226412_t2_170 Protein name GumF protein Description ORF Name 12363467_t2_195	3771 NTID	8993 AAID	Length 370 [1]	Length Locus pir:S6	Name 7855 Score	Acc# S67855 Probability

ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
13009675_c3_590	3773	8995	913	2742			
Protein name				Locus	Name	Acc#	
Description							
NO-HIT							
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
14548187 <u></u> c2 <u></u> 452	3774	8996	376	1131	136	2.0e-08	
Protein name				Locus	Name	Acc#	
				sp:VAPI	_BACNO	Q46560	
Description							
VIRULENCE-ASSOCIAT	ED PROTEIN	I					
ORF Name	NTID	AAID	<u>NT</u> Length	AA Length	Score	Probability	
ORF Name 14645152f1111		<u>AAID</u> 8997	Length		Score	Probability	
			Length	Length	Score Score	Probability Acc#	
14645152 <u></u> £1 <u></u> 111			Length	Length	•		
14645152f1111			Length	Length	•		
Protein name Description NO-HIT	3775	8997	Length 64 NT	Length Locus	•		
Protein name Description NO-HIT ORF Name	NTID	8997 AAID	Length 64 NT Length	Length Locus AA Length	Name Score	Acc# Probability	
14645152f1111 Protein name Description NO-HIT ORF Name 14728887f2213	NTID	8997	Length 64 NT Length	Length Locus AA Length	Score 835	Acc# Probability 2.9e-83	
14645152f1111	NTID 3776	AAID 8998	Length 64 NT Length	Length Locus AA Length Locus Locus	Score 835 Name	Acc# Probability 2.9e-83 Acc#	
14645152f1111 Protein name Description NO-HIT ORF Name 14728887f2213	NTID 3776	AAID 8998	Length 64 NT Length	Length Locus AA Length	Score 835 Name	Acc# Probability 2.9e-83	



ODE Name	NTIT! TT	א א דד	NT	AA Tongth	Score	Probability
ORF Name	NTID	AAID	Length	Length		
16603388_c2_447	3781	9003	181 5	46	402	2.2e-37
Protein name				Locu	s Name	Acc#
BsaA				gp:AB0	13377	AB013377
Description						
Bacillus haloduran and Tyr genes, comp			_	and tRi	NA-His, A	Ala,Arg, Gly
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
17010942_c1_337	3782	9004	787 2	364	1111	1.6e-112
Protein name				Locus	s Name	Acc#
beta-galactosidase	:lactase			pir:JC	5618	JC5618
Description				•		
						-
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability
176561 <u></u> c1 <u></u> 416	. 3783	9005	359 1	080	600	2.3e-58
Protein name				Locus	s Name	Acc#
hypothetical prote	in slr1772			pir:S7	4628	S74628
Description						
7			NT	<u>AA</u>	Score	Probability
ORF Name	NTID	AAID	Length	Length		
191552 <u></u> c3 <u></u> 532	. 3784	9006	471 1	416	687	1.4e-67
Protein name				Locus	s Name	Acc#
probable phospho-su	ıgar mutas	e 2		pir:E7	1082	E71082
Description			_			

			NT	AA			
ORF Name	NTID	AAID	<u>Length</u>	Length	Score	Probability	
20192257_f1_105	3785	9007	304	15	281	1.5e-24	
Protein name				Locus	s Name	Acc#	
				gp:STA	LYTS	L42945	
Description				193			
Staphylococcus	aureus lytS ar	nd lytR g	enes, com	mplete co	is.		
ORF Name	NTID	AAID	<u>NT</u> Length	<u>AA</u> Length	Score	Probability	
2031317 f1 99	3786	9008	85 [2	:58			
			L				
Protein name				Locus	s Name	Acc#	
Description							
NO-HIT							
			NT	AA			
ORF Name	NTID	AAID	Length	Length	Score	Probability	
20509682 <u>_f1</u> _82	3787	9009	293 8	82	162	1.3e-09	
Protein name				Locus	Name	Acc#	
transmembrane se	ensor			gp:AF05	51691	AF051691	
Description							
Pseudomonas aer	uginosa stress	factor	A (ngfA)	ECF Gio	ma facto	r(fiuT)	
transmembrane ser	_		_	_			
(fiuA) genes, com				POTOTITO	.zuczopiic	220 20002001	
			NT	AA			
ORF Name	NTID	AAID	Length	Length	Score	Probability	
20523966_f2_208	3788	9010	369 1	110	240	9.8e-18	
Protein name				Locus	Name	Acc#	
				sp:YEHU	ECOLI	-	
Doggardest							
Description							
HYPOTHETICAL 62	.1 KD PROTEIN	IN MOLR-E	BGLX INTE	RGENIC R	EGION PR	ECURSOR	

		NT AA
ORF Name	NTID AAID	Length Length Score Probability
20704802_c1_402	3789 9011	465 1398 465 4.7e-44
Protein name		Locus Name Acc#
conserved hypoth	netical protein	pir:G72220 G72220
Description	8	*
ORF Name	NTID AAID	NT AA Length Length Score Probability
211013.7 <u></u> c1359	3790 9012	118 357
Protein name		
		Locus Name Acc#
Description		
NO-HIT		- 4
ORF Name	NTID AAID	$rac{ ext{NT}}{ ext{Length}} rac{ ext{AA}}{ ext{Score}} ext{Probability}$
22114756 <u></u> £1 <u></u> 31	3791 9013	532 1599 512 4.9e-49
Protein name		Locus Name Acc#
hypothetical pro	tein jhp1110	pir:A71849 A71849
Description		
		NT AA
ORF Name	NTID AAID	Length Length Score Probability
22300006 <u></u> £1 <u></u> 33	3792 9014	169 510 81 0.0040
Protein name		Locus Name Acc#
DbhB	744.4	gp:AF110185 AF110185
Description		
Burkholderia pse	udomallei strain 1026k	DbhB (dbhB), generalsecretory
pathway protein D	(gspD), general secre	tory pathwayprotein E (gspE), general
protoin C (mana)	process (gspr), Gsp	C(gspC), general secretory pathway
procern G (gspG),	general secretory path	way protein H (gspH), general